



VIRGINIA
CORN HYBRID
MANAGEMENT
AND TRIALS
2006

VIRGINIA CORN HYBRID AND MANAGEMENT TRIALS 2006

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Companies Participating in the 2006 Corn Hybrid Trials

Company	Brand	Address
Augusta Seed Corp.	Augusta	473 Tisdale Farm Lane Staunton, VA 24401
Baldrige Hybrids	Baldrige	PO Box 99 Cherry Fork, OH 45618
Clark Seed	Clark	PO Box 219 Kenton, DE 19955
Doebler Inc.	Doebler	202 Tiadaghton Ave Jersey Shore, PA 17740
Garst Seed Co.	Garst	2369 330 th St Slater, IA 50244
Land O Lakes Seed Co.	Croplan Genetics	2827 8 th Ave South Ft Dodge, IA 50501
Mid-Atlantic Seeds	Mid-atlantic	204 St Charles Way #163 York, PA 17404
Monsanto	Dekalb	800 N Lindbergh Blvd St Louis, MO 63167
NK Brand Seeds (A Syngenta Co.)	Nk Brand	PO Box 959 Minneapolis, MN 55440
Pioneer, A Dupont Co.	Pioneer	7501 Memorial Pkwy, Suite 205 Huntsville, AL 35802
Royster-Clark, Inc	Vigoro Seeds	717 Robinson Road SE Washington C.H., OH 43160
Seed Consultants, Inc.	Seed Consultants	PO Box 370 Washington Courthouse, OH 43160
Southern States Co-op., Inc.	Southern States	6606 West Broad St Richmond, VA 23230
T.A. Seeds	T.A. Seeds	PO Box 300 Avis, PA 17721
Unisouth Genetics & Biogene	Farmers Best (FB)	2640-C Nolensville Rd Nashville, TN 37211

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Background Information

Performance trials of commercial corn hybrids were conducted at seven locations in Virginia in 2006. The Mt. Holly location consisted of both an irrigated and non-irrigated test. All locations, except Orange, were planted with a Wintersteiger PlotKing 2600. Orange was planted by hand and thinned to the desired population. All locations, except Orange, were harvested with a Massey-Ferguson 8XP plot combine. Orange was hand-harvested and shelled to obtain grain weights. Yields have been adjusted to 15.5% moisture. Grain test weight, moisture, and plot grain weights were measured with a GrainGauge® manufactured by HarvestMaster. A list of the companies participating in the trials is shown in the above table. All hybrids entered in the Virginia trials were those submitted by commercial companies. The locations at which particular hybrids were entered were specified by the company. Companies entering hybrids were charged a fee for each hybrid per location to support the Corn Performance Trials.

Yield Differences

Experimental plots vary in yield and other measurements due to location in the field and other factors which cannot be controlled. Statistics given in the tables are intended to help the reader make valid comparisons among hybrids. The magnitude of differences which may have been due to uncontrollable variation has been computed for the data and listed at the bottom of columns as the LSD (.05) (least significant difference with 95% confidence). Differences less than the LSD are assumed not to be real differences with 95% confidence.

Understanding Relative Yield

Companies entering hybrids decide which hybrids are planted at which locations. Combining and comparing absolute yield and other results from multiple sites is inappropriate when not all hybrids were planted at all locations. For example, one hybrid might have an unfair advantage in such a comparison because it was tested only at sites with ideal growing conditions. Another hybrid tested at sites with less-than-ideal growing conditions would have yields that tended to be lower. In this example, it would be difficult to determine whether yield differences are because of differences in genetic yield potential or simply because of differences in the environmental conditions under which they were tested. The solution is to compare hybrids based on relative yields rather than absolute yields.

To calculate relative yield, the yield for each hybrid at each site is divided by the average yield for all hybrids tested at that same site and multiplied by 100. Once each hybrid at each site has been assigned a relative yield, comparisons can be made among hybrids tested at the same site or different sites. For hybrids tested at multiple sites, a multi-site relative yield average can also be calculated.

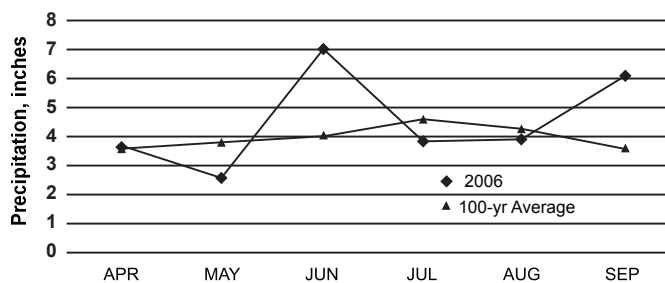
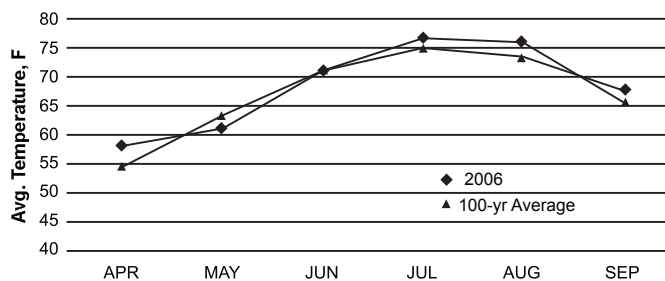
Relative yields of 100 indicate hybrids that were average performers. Relative yields greater than 100 indicate yields above-average. Relative yields less than 100 indicate yields below-average. The magnitude of the relative yield numbers indicate how far above or below average a hybrid performed. For example, a hybrid with a relative yield of 110 yielded 10% of above the average yield for all hybrids at that site.

Choice of Hybrids

When making hybrid selections it is important to realize that hybrids differ in their performance in different environments. Some hybrids are more adapted to a wide range of environments. Hybrid performance may vary with year and location variations in rainfall, temperature, pests, and other environmental variables. In these experiments, many hybrids have essentially the same yield, and great care should be taken in interpreting the results of a single year's tests, especially at only one location. For these reasons it is important, whenever possible, to also look at a hybrid's average across locations when making hybrid selections. Multi-year averages give even greater confidence to hybrid performance decisions. The relative yield tables compare the yield of a hybrid to the average yield of all hybrids in the test. These tables are an excellent summary of yield potential compared to other hybrids.

2006 Growing Season

Temperatures in late March and early April were warmer than average and some planting occurred during this window. Late April and May were cooler and dry which resulted in over 50% of the crop planted by May 8, but slow germination and emergence were noted in many fields. These slow emerging fields showed more damage from seed and seedling diseases and insects than normal. By mid-June, precipitation was still below normal in most areas but tropical storm Alberto brought rainfall to some areas and some flooding in the Virginia Beach area. Where rains occurred, the crop was proceeding ahead or normal. Heavy rains fell in most parts of the commonwealth during early July relieving drought stress and ensuring at least a normal crop for most farmers. Warmer than average temperatures in July and August probably limited yield potential, especially in areas where moisture was already short. Average yield across the commonwealth is predicted to be 125 bushels per acre which is 9% above the 5-year average of 114 bushels per acre. Total production is expected to be 43.1 million bushels, up 2% from 2005.



2006 Virginia Corn Hybrid Plot Information

(Rates are on a per-acre basis.)

Blacksburg	Whitethorne Farm	Mt Holly (irr)	Virginia Crop Improvement Association Farm
Land Prep:	Ripped with subsoiler, moldboard plowed; disked twice.	Planted:	April 28, 2006
Planted:	May 4, 2006	Harvested:	September 20, 2006
Harvested:	November 1, 2006	Pesticide:	5.5 pt Lumax® + 1.5 pt Princep® + 1.5 pt atrazine preplant incorporated; 4.5 lb Force 3G® at planting.
Pesticide:	2 qt Bicep II Magnum® + 1 lb Simazine® 90DF + 1 oz Python® WDG May 1, 2006; 4.5 lb Force 3G® at planting; 3 oz Calisto® + 0.67 oz Accent® + 8 oz atrazine June 22, 2006.	Fertilizer:	80-40-70 preplant incorporated; 20 gal 15-15-0-2S-.83B-.33Zn at planting; 110 lb N sidedressed June 1, 2006
Fertilizer:	60-60-60 preplant incorporated April 20, 2006; 20 gal 15-15-0-2S-.83B-.33Zn at planting; 100 lb N sidedressed June 23, 2006.	Irrigation:	0.4" June 1 0.8" June 20 0.8" July 12 1.0" July 17 1.0" July 26 1.0" August 1 0.6" August 8 0.6" August 16
Plot Size:	2 rows 25' x 30" 4 replications	Plot Size:	2 rows 25' x 30" 4 replications
Soil Type:	Hayter	Soil Type:	State fine sandy loam
Cooperator:	Jon Wooge	Cooperator:	Bruce Beahm
Blackstone	Southern Piedmont Agricultural Research & Extension Center	Orange	Northern Piedmont Agricultural Research & Extension Center
Planted:	April 19, 2006	Planted:	May 2, 2006
Harvested:	September 11, 2006	Harvested:	August 30 (one rep) and October 23-25, 2006
Pesticide:	4.5 lb Force 3G® at planting; 1.5 pt Dual II Magnum® + 7 oz Callisto® April 20, 2006.	Pesticide:	2.5 qt Lumax® + 1 qt atrazine preplant incorporated May 1, 2006.
Fertilizer:	100-100-100 preplant incorporated; 20 gal 15-15-0-2S-.83B-.33Zn at planting; 80 lb N June 2, 2006.	Fertilizer:	100-120-0 preplant incorporated May 1, 2006; 100 lb N sidedressed June 9, 2006.
Plot Size:	2 rows 25' x 30" 4 replications	Plot Size:	1 row 30' x 30" 4 replications
Soil Type:	Dothan-Norfolk complex	Soil Type:	Davidson silty clay loam
Cooperator:	Ned Jones	Cooperators:	D. E. Starner, S. A. Gulick, and W. A. Hood
Holland	Tidewater Agricultural Research & Extension Center	Washington County (Thanks to Johnny Robinson)	
Land Prep:	Disked March 28, rip-strip-tilled April 15, land-conditioned April 15	Planted:	May 17, 2006
Planted:	April 18-19, 2006	Harvested:	November 20, 2006
Harvested:	September 12, 2006	Pesticide:	3 qt Lumax®
Pesticide:	3 pt Guardsman® preplant incorporated April 15, 2006 + 4.5 lb Force 3G® at planting.	Insecticide:	2.5 oz Warrior®
Fertilizer:	1000 lb lime February 14, 2006 + 300 lb 6-16-39 March 27, 2006; 60 units N April 15, 2006; 20 gal 15-15-0-2S-.83B-.33Zn at planting; 100 units N using UAN sidedressed May 30, 2006	Fertilizer:	160-35-240 + 2 tons lime preplant; 20 gal 15-15-0-2S-.83B-.33Zn at planting
Irrigation:	1.0" August 2	Plot Size:	2 rows 25' x 30" 4 replications
Plot Size:	2 rows 35' x 30" 4 replications	Soil Type:	Wyrick-Marbie
Soil Type:	Uchee and Nansemond	Cooperators:	Phil Blevins and Johnny Robinson
Cooperator:	Bobby Ashburn	Shenandoah Valley (Shenandoah County - Thanks to Jonathon Day)	
Mt Holly (dry)	Virginia Crop Improvement Association Farm	Planted:	May 2, 2006
Planted:	April 26, 2006	Harvested:	November 6-7, 2006
Harvested:	September 22, 2006	Pesticide:	2 qt Roundup® + 1.5 qt Aatrex® + 2 qt Lumax® + 1 qt Princep® preplant + 4.5 lb Force 3G® at planting
Pesticide:	5.5 pt Lumax® + 1.5 pt Princep® + 1.5 pt atrazine preplant incorporated; 4.5 lb Force 3G® at planting.	Fertilizer:	20 gal 15-15-0-2S-.83B-.33Zn at planting; 180 lb N using granular urea sidedressed.
Fertilizer:	60-30-60 preplant incorporated; 20 gal 15-15-0-2S-.83B-.33Zn at planting; 65 lb N sidedressed May 23, 2006.	Plot Size:	2 rows 25' x 30" 4 replications
Plot Size:	2 rows 25' x 30" 4 replications	Soil Type:	Coursey loam
Soil Type:	State fine sandy loam	Cooperators:	Bobby Clark and Jonathon Day
Cooperator:	Bruce Beahm		

Appreciation is expressed to the Virginia Corn Check-Off Board for financial support of this research and the Virginia Extension corn program.

Table 1. 2006 relative yield* of corn hybrids entered in three or more locations - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Holland	Mt Holly Dryland	Mt Holly Irrigated	Black-stone	Orange	Shenan-doah	Blacks-burg	Washing-ton	Mean
≤107 Days Rel. Maturity													
TRISLER BY AUGUSTA	T5244CBCRW	PL	CB/RW	107	106	111	110	---	---	---	---	---	109
T.A. SEEDS	TA 5753	PL	CB/GY	107	---	94	95	---	123	100	---	---	103
TRISLER BY AUGUSTA	T5231CB	PL	CB	107	83	111	106	---	---	---	---	---	100
TRISLER BY AUGUSTA	T5234CBCRW	PL	CB/RW	107	84	104	99	---	118	---	96	---	100
AUGUSTA	A-06-11HX	PL	CB/GU	105	95	105	98	---	---	---	---	---	99
MID-ATLANTIC	MA7066Bt	PL	CB	106	83	103	103	---	107	---	---	---	99
TRISLER BY AUGUSTA	T2744PLRR	PL	CB/GY/RR	102	93	104	96	---	---	---	---	---	98
TRISLER BY AUGUSTA	T5160CBCRW	PL	CB/RW	105	104	103	94	---	88	---	---	---	97
AUGUSTA	A-06-05	C		104	86	107	94	---	---	---	---	---	96
FARMERS BEST	FB 927RRCB	PL	CB/GY	107	100	92	95	105	---	77	100	---	95
TRISLER BY AUGUSTA	T5175CB	PL	CB	107	84	94	99	75	113	89	87	92	92
TRISLER BY AUGUSTA	T5247CB	PL	CB	107	89	101	89	---	81	---	81	---	88
TRISLER BY AUGUSTA	T4495CBCRW	PL	CB/RW	98	93	92	83	---	---	---	---	---	89
DOEBLERS	468RB	PL	CB/GY	98	80	94	88	---	79	---	---	---	85
108-111 Days Rel. Maturity													
AUGUSTA	A-06-08HX	PL	CB/GU	111	109	116	107	---	---	---	---	---	111
DEKALB	DKC61-45(RR2/YGCB)	PL	CB/GY	111	100	114	115	104	94	117	---	---	107
TRISLER BY AUGUSTA	T5262CB	PL	CB	110	107	98	111	---	---	---	---	---	105
MID-ATLANTIC	MA8088RR	PL	GY	108	101	108	102	100	90	111	110	---	103
NK BRAND	N68-B8	C	CB/GU	110	96	108	103	113	93	94	98	---	101
DEKALB	DKC61-72(RR2)	PL	GY	111	101	96	105	102	96	105	---	---	101
TRISLER BY AUGUSTA	T-05-30PLRR	PL	CB/GY/RW	108	98	92	107	---	106	---	---	---	101
NK BRAND	N65-C5	C	CB/GU	109	114	102	104	110	87	89	96	---	100
SEED CONSULTANTS	SC1124A	C		111	---	93	104	---	88	111	---	---	99
NK BRAND	N67-W5	C	CB/GU	109	93	108	99	97	---	---	---	---	99
TRISLER BY AUGUSTA	T5240CB	PL	CB	109	92	105	101	---	---	---	---	---	99

* Relative yield is calculated by dividing the yield of a hybrid by the average yield of all hybrids of all maturities at that location. A hybrid with a relative yield of 105 was 5% above the average of all hybrids at that location. The value of 105 is not a yield but a value relative to all other yield values at that location. Relative yields are listed in order of descending mean values.

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinon-tolerant and includes Clearfield[®]; GU = gluphosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

Table 1. 2006 relative yield* of corn hybrids entered in three or more locations - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Holland	Mt Holly Dryland	Mt Holly Irrigated	Black-stone	Orange	Shenan-doah	Blacks-burg	Washing-ton	Mean
PIONEER BRAND	34A16	PL	CB/GU	110	99	96	95	---	97	111	98	---	99
MID-ATLANTIC	MA7096Bt	PL	CB	109	102	98	101	---	97	98	---	---	99
AUGUSTA	A-06-07Bt	PL	CB	110	104	101	95	---	---	---	---	---	100
SEED CONSULTANTS	SC10B97	C	CB	108	---	98	114	---	106	80	---	---	100
VIGORO	V50Y51	C	CB	110	105	95	101	---	91	---	---	---	98
VIGORO	V52YR52	C	CB	111	---	96	105	---	92	---	---	---	98
DOEBLERS	648RYG	PL	CB/GY	111	107	113	101	106	78	78	97	71	94
SOUTHERN STATES	95033	PL	CB/GY	111	83	95	98	103	101	85	98	---	95
MID-ATLANTIC	MA9114	PL		108	---	96	95	93	---	---	---	---	95
PIONEER BRAND	34B94	PL	CB/GY	110	80	110	96	---	---	---	---	---	95
SOUTHERN STATES	SS574RR2YGCB	PL	CB/GY	108	95	92	91	97	88	103	94	---	94
AUGUSTA	A-06-03HX	PL	CB/GU	111	100	94	99	---	78	---	---	---	93
TRISLER BY AUGUSTA	T5257PLRR	PL	CB/GY/RW	111	97	92	94	---	88	---	---	---	93
DOEBLERS	631XY	PL		110	96	89	100	101	71	87	97	94	92
VIGORO	V4860	C		108	---	100	95	---	78	---	---	---	91

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112-115 Days Rel. Maturity

SEED CONSULTANTS	SC11B45	C	CB	114	---	111	111	---	120	109	---	---	113
PIONEER BRAND	33M53	PL	GY	115	110	108	96	---	122	133	---	---	114
AUGUSTA	A-06-06	C		115	96	116	114	---	---	108	---	---	109
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	108	110	108	113	112	97	109	101	107
VIGORO	V54Y61	C	CB/GY	114	---	104	106	---	111	---	---	---	107
PIONEER BRAND	33V16	PL	CB/GY	114	108	110	94	105	131	109	100	92	106
DEKALB	DKC63-74(RR2/YGPL)	PL	CB/GY/RW	113	---	118	90	103	107	103	---	---	104
MID-ATLANTIC	MA7150Bt/CRW/RR	PL	CB/GY/RW	115	---	103	108	---	---	106	---	---	106
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	103	107	102	107	---	100	108	---	105
DEKALB	DKC63-39(RR2/YGPL)	PL	CB/GY/RW	113	---	107	101	98	103	122	---	---	106

* Relative yield is calculated by dividing the yield of a hybrid by the average yield of all hybrids of all maturities at that location. A hybrid with a relative yield of 105 was 5% above the average of all hybrids at that location. The value of 105 is not a yield but a value relative to all other yield values at that location. Relative yields are listed in order of descending mean values.

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³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

Table 1. 2006 relative yield* of corn hybrids entered in three or more locations - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Holland	Mt Holly Dryland	Mt Holly Irrigated	Black-stone	Orange	Shenan-doah	Blacks-burg	Washing-ton	Mean
AUGUSTA	A5337	PL		113	---	111	106	99	104	100	104	---	104
SEED CONSULTANTS	SC11B40	C	CB	112	---	97	94	---	104	118	---	---	103
VIGORO	EX655016	C	CB	112	93	98	103	---	123	---	---	---	104
MID-ATLANTIC	MA7126Bt	PL	CB	112	81	107	104	102	122	104	97	98	102
DOEBLERS	731XY	PL		115	92	94	100	101	107	121	103	100	102
T.A. SEEDS	TA775-02	PL	GY	114	---	---	---	---	115	101	90	---	102
AUGUSTA	A-06-10HX	PL	CB/GU	115	105	93	108	---	---	---	---	---	102
MID-ATLANTIC	MA8146Bt/RR	PL	CB/GY	114	113	85	110	97	99	110	100	---	102
SEED CONSULTANTS	SC11B55	C	CB	115	---	85	102	---	111	107	100	---	101
VIGORO	V52Y61	C	CB	112	97	92	102	---	115	98	101	---	101
TRISLER BY AUGUSTA	T04-69CBCRW	PL	CB/RW	112	97	97	106	---	---	---	---	---	100
MID-ATLANTIC	MA7156Bt	PL	CB	115	110	93	114	103	116	74	91	---	100
T.A. SEEDS	TA686-03	PL	CB/GY	113	---	101	100	---	100	100	93	---	99
AUGUSTA	A-06-09HX	PL	CB/GU	113	97	101	100	---	---	---	---	---	99
AUGUSTA	A-06-13	PL		114	102	102	100	99	112	84	103	91	99
TRISLER BY AUGUSTA	T-05-26CBCRW	PL	CB/RW	112	108	90	99	---	---	---	---	---	99
TRISLER BY AUGUSTA	T-04-59CBCRW	PL	CB/RW	114	109	85	104	---	---	---	---	---	99
AUGUSTA	A-06-04HX	PL	CB/GU	113	90	95	98	---	107	---	---	---	98
NK BRAND	N72-G8	C		112	72	107	94	95	104	95	92	---	94
AUGUSTA	T-05-27CB	PL	CB	114	---	---	---	104	---	87	99	88	95
MID-ATLANTIC	MA9152	PL		114	---	92	97	92	---	---	---	---	94

≥116 Days Rel. Maturity

PIONEER BRAND	31P41	PL		118	105	118	101	102	119	116	103	---	109
TRISLER BY AUGUSTA	T04-102CB	PL	CB	118	---	---	---	110	---	111	106	---	109
PIONEER BRAND	31G71	PL	CB/GY/GU	118	101	99	105	102	118	102	105	118	106
PIONEER BRAND	31G96	PL	CB/GY/GU	117	111	104	96	110	102	---	---	---	105
DOEBLERS	784XYG	PL	CB	117	104	98	100	102	106	113	98	99	103
TRISLER BY AUGUSTA	T-06-06CB	PL	CB	116	104	87	112	100	91	95	110	124	103

* Relative yield is calculated by dividing the yield of a hybrid by the average yield of all hybrids of all maturities at that location. A hybrid with a relative yield of 105 was 5% above the average of all hybrids at that location. The value of 105 is not a yield but a value relative to all other yield values at that location. Relative yields are listed in order of descending mean values.

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinon-tolerant and includes Clearfield[®]; GU = glufosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

Table 1. 2006 relative yield* of corn hybrids entered in three or more locations - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Holland	Mt Holly Dryland	Mt Holly Irrigated	Black-stone	Orange	Shenandoah	Blacksburg	Washing-ton	Mean
SEED CONSULTANTS	SC11H76	C	CB	117	---	98	100	---	106	106	107	---	103
AUGUSTA	A-06-02HX	PL	CB/GU	117	105	111	102	---	94	---	---	---	103
CLARK	CL 917	PH	CB/GY	117	111	---	---	92	108	---	---	---	104
SOUTHERN STATES	777RRYGPL	PH	CB/GY/RW	116	103	103	102	106	88	105	106	---	102
AUGUSTA	A5338	PL		116	110	---	---	101	94	---	---	---	102
TRISLER BY AUGUSTA	T5338PLRR	PL	CB/GY/RW	116	103	92	95	105	97	93	109	114	101
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	110	97	100	109	88	93	108	---	101
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	---	---	---	95	---	96	107	102	100
TRISLER BY AUGUSTA	T05-23RR	PL	GY	117	---	---	---	90	---	98	102	114	101
TRISLER BY AUGUSTA	T-06-14CB	PL	CB	117	109	---	---	98	---	79	104	117	101
T.A. SEEDS	TA780-13	PL	CB/GY/RW	117	---	97	95	---	106	98	109	---	101
DEKALB	DKC66-23(RR2/YGCB)	PL	CB/GY	116	98	99	102	92	101	106	---	---	100
VIGORO	V58Y41	C	CB	117	103	---	---	---	---	90	103	---	99
TRISLER BY AUGUSTA	T-06-03CB	PL	CB	116	85	100	95	106	93	102	96	98	97
TRISLER BY AUGUSTA	T-06-09RRCB	PL	CB/GY	116	118	86	95	96	79	85	106	123	99
FARMERS BEST	FB 905RRCB	PL	CB/GY	116	101	95	93	100	---	99	97	---	98
AUGUSTA	A-04-102	PL		118	---	---	---	97	---	92	104	---	98
SOUTHERN STATES	SS783RR2YGCB	PL	CB/GY	116	106	95	100	93	94	92	97	---	97
SEED CONSULTANTS	SC11B65	C	CB	116	---	94	103	---	89	97	---	---	96
TRISLER BY AUGUSTA	T-04-51RRCB	PL	CB/GY	117	---	---	---	98	---	88	106	88	95
SEED CONSULTANTS	SC11BR77	C	CB/GY	117	---	89	92	---	105	89	98	---	95
SEED CONSULTANTS	SC11BR46	C	CB/GY	116	---	87	97	---	85	107	---	---	94
SOUTHERN STATES	791CL	PL		116	96	93	80	84	92	99	103	---	92
SEED CONSULTANTS	SC11BR96	C	CB/GY	118	---	96	95	---	92	85	---	---	92
DOEBLERS	761BDT	PL	CB	116	95	91	91	92	87	87	86	103	92
TRISLER BY AUGUSTA	T-05-135RR	PL	GY	117	---	---	---	86	---	79	106	---	90

* Relative yield is calculated by dividing the yield of a hybrid by the average yield of all hybrids of all maturities at that location. A hybrid with a relative yield of 105 was 5% above the average of all hybrids at that location. The value of 105 is not a yield but a value relative to all other yield values at that location. Relative yields are listed in order of descending mean values.

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinon-tolerant and includes Clearfield[®]; GU = glufosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

Table 2. Two-year average relative yield* (2005-2006) of corn hybrids entered in three or more locations each year - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	# Observations	Relative Yield
≤107 Days Relative Maturity						
T.A. SEEDS	TA 5753	PL	CB/GY	107	31	101
108-111 Days Relative Maturity						
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	46	104
NK BRAND	N65-C5	C	CB/GU	109	49	104
DEKALB	DKC61-72(RR2)	PL	GY	111	46	101
VIGORO	V50Y51	C	CB	110	30	99
TRISLER BY AUGUSTA	T5240CB	PL	CB	109	31	97
DOEBLERS	648RYG	PL	CB/GY	111	62	97
MID-ATLANTIC	MA9114	PL		108	32	96
112-115 Days Relative Maturity						
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	50	110
VIGORO	V54Y61	C	CB/GY	114	23	106
SEED CONSULTANTS	SC11B45	C	CB	114	27	106
AUGUSTA	A5337	PL		113	35	106
FARMERS BEST	FB904RRCBYG	PL	CB/GY	112	47	105
SEED CONSULTANTS	SC11B40	C	CB	112	27	104
SEED CONSULTANTS	SC11B55	C	CB	115	31	102
NK BRAND	N72-G8	C		112	50	96
MID-ATLANTIC	MA9152	PL		114	36	95
≥ 116 Days Relative Maturity						
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	28	101
VIGORO	V58Y41	C	CB	117	39	100
TRISLER BY AUGUSTA	T05-23RR	PL	GY	117	28	100
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	46	100
T.A. SEEDS	TA780-13	PL	CB/GY/RW	117	35	99
DOEBLERS	761BDT	PL	CB	116	62	95
DOEBLERS	784XYG	PL	CB	117	62	95

* Relative yield is calculated by dividing the yield of a hybrid by the average yield of all hybrids of all maturities at that location. A hybrid with a relative yield of 105 was 5% above the average of all hybrids at that location. The value of 105 is not a yield but a value relative to all other yield values at that location. Relative yields are listed in order of descending mean values. A hybrid did not have to be entered at the same three locations each year to appear in this table.

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

Table 3. Three-year average relative yield* (2004-2006) of corn hybrids entered in three or more locations each year - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	# Observations	Relative Yield
108-111 Days Relative Maturity						
DOEBLERS	648RYG	PL	CB/GY	111	94	97
112-115 Days Relative Maturity						
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	74	107
SEED CONSULTANTS	SC11B45	C	CB	114	39	103
SEED CONSULTANTS	SC11B55	C	CB	115	43	101
AUGUSTA	A5337	PL		113	47	98
≥ 116 Days Relative Maturity						
VIGORO	V58Y41	C	CB	117	63	103
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	40	98
DOEBLERS	784XYG	PL	CB	117	94	97

* Relative yield is calculated by dividing the yield of a hybrid by the average yield of all hybrids of all maturities at that location. A hybrid with a relative yield of 105 was 5% above the average of all hybrids at that location. The value of 105 is not a yield but a value relative to all other yield values at that location. Relative yields are listed in order of descending mean values. A hybrid did not have to be entered at the same three locations each year to appear in this table.

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinonon-tolerant and includes Clearfield[®]; GU = gluphosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

Table 4. Corn yields at the Tidewater AREC, Holland, Va., in 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
≤107 Days Relative Maturity							
TRISLER BY AUGUSTA	T5244CBCRW	PL	CB/RW	107	149	25.6	52.3
TRISLER BY AUGUSTA	T5244RRCB	PL	CB/GY	107	147	25.0	51.6
TRISLER BY AUGUSTA	T5160CBCRW	PL	CB/RW	105	146	25.3	52.5
FARMERS BEST	FB 927RRCB	PL	CB/GY	107	141	26.4	54.3
AUGUSTA	A3387	PL		107	137	25.2	51.8
AUGUSTA	A-06-11HX	PL	CB/GU	105	134	23.7	51.7
TRISLER BY AUGUSTA	T4495CBCRW	PL	CB/RW	98	131	23.5	56.6
TRISLER BY AUGUSTA	T2744PLRR	PL	CB/GY/RR	102	131	24.7	55.0
TRISLER BY AUGUSTA	T5247CB	PL	CB	107	126	26.9	55.5
AUGUSTA	A-06-05	C		104	121	22.5	53.8
TRISLER BY AUGUSTA	T5175CB	PL	CB	107	119	25.7	51.3
TRISLER BY AUGUSTA	T5234CBCRW	PL	CB/RW	107	119	25.2	53.9
MID-ATLANTIC	MA7066Bt	PL	CB	106	117	23.7	49.9
TRISLER BY AUGUSTA	T5231CB	PL	CB	107	116	24.6	51.4
GARST	8688GT	C	GY	104	113	22.5	53.0
DOEBLERS	468RB	PL	CB/GY	98	113	24.0	54.9
Maturity Average					129	24.7	53.1
C.V.					7	4.4	1.8
L.S.D. (0.05)					15	1.8	1.6
108-111 Days Relative Maturity							
NK BRAND	N65-C5	C	CB/GU	109	160	24.5	53.0
AUGUSTA	A-06-08HX	PL	CB/GU	111	154	24.5	51.7
TRISLER BY AUGUSTA	T5262CB	PL	CB	110	151	24.9	52.5
DOEBLERS	648RYG	PL	CB/GY	111	150	24.4	52.4
VIGORO	V50Y51	C	CB	110	147	24.9	52.7
AUGUSTA	A-06-07Bt	PL	CB	110	146	23.1	52.5
MID-ATLANTIC	MA7096Bt	PL	CB	109	144	24.9	51.9
DEKALB	DKC61-72(RR2)	PL	GY	111	142	25.0	52.6
MID-ATLANTIC	MA8088RR	PL	GY	108	142	25.6	53.9
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	141	24.7	53.7
AUGUSTA	A-06-03HX	PL	CB/GU	111	141	25.7	48.8
PIONEER BRAND	34A16	PL	CB/GU	110	140	25.1	55.0
TRISLER BY AUGUSTA	T-05-30PLRR	PL	CB/GY/RW	108	139	26.8	53.9
TRISLER BY AUGUSTA	T5257PLRR	PL	CB/GY/RW	111	137	25.7	52.2
DOEBLERS	631XY	PL		110	136	25.7	56.0
NK BRAND	N68-B8	C	CB/GU	110	136	24.1	49.9
SOUTHERN STATES	SS574RR2YGCB	PL	CB/GY	108	134	24.9	54.7
NK BRAND	N67-W5	C	CB/GU	109	132	24.4	52.2
TRISLER BY AUGUSTA	T5240CB	PL	CB	109	130	25.7	52.6

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture. There was no lodging at this location.

Planted April 18, 2006. Harvested September 12, 2006.

Table 4. Corn yields at the Tidewater AREC, Holland, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
SOUTHERN STATES	95033	PL	CB/GY	111	117	24.6	51.3
PIONEER BRAND	34B94	PL	CB/GY	110	113	25.4	56.0
				Maturity Average	140	25.0	52.8
				C.V.	10	3.6	1.3
				L.S.D. (0.05)	25	1.5	1.2
112-115 Days Relative Maturity							
MID-ATLANTIC	MA8146Bt/RR	PL	CB/GY	114	159	28.0	54.4
PIONEER BRAND	33M53	PL	GY	115	156	28.1	56.1
MID-ATLANTIC	MA7156Bt	PL	CB	115	155	27.8	52.3
TRISLER BY AUGUSTA	T-04-59CBCRW	PL	CB/RW	114	154	26.6	53.4
DEKALB	DKC63-81 (RR2/YGCB)	PL	CB/GY	113	153	26.3	56.4
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	152	27.6	51.2
PIONEER BRAND	33V16	PL	CB/GY	114	152	27.2	57.1
TRISLER BY AUGUSTA	T-05-26CBCRW	PL	CB/RW	112	152	27.8	53.8
NK BRAND	N77-P5	C	CB/GU	114	151	27.7	51.5
GARST	8452CB/LL	C	CB/GU	112	150	25.4	51.7
AUGUSTA	A-06-10HX	PL	CB/GU	115	148	27.2	52.1
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	145	26.7	51.4
AUGUSTA	A-06-13	PL		114	144	26.8	52.3
GARST	8353CB/LL	C	CB/GU	114	141	27.7	51.4
VIGORO	V52Y61	C	CB	112	137	26.3	51.7
AUGUSTA	A-06-09HX	PL	CB/GU	113	137	27.3	50.8
TRISLER BY AUGUSTA	T04-69CBCRW	PL	CB/RW	112	136	26.6	51.2
AUGUSTA	A-06-06	C		115	136	25.9	52.4
VIGORO	EX655016	C	CB	112	131	26.2	50.3
DOEBLERS	731XY	PL		115	130	27.4	54.1
AUGUSTA	A-06-04HX	PL	CB/GU	113	126	25.4	52.7
MID-ATLANTIC	MA7126Bt	PL	CB	112	115	25.2	53.7
NK BRAND	N72-G8	C		112	102	25.7	50.0
				Maturity Average	142	26.8	52.7
				C.V.	7	3.3	1.4
				L.S.D. (0.05)	17	1.5	1.2
≥ 116 Days Relative Maturity							
DEKALB	DKC69-71 (RR2/YGCB)	PL	CB/GY	119	166	29.0	54.1
TRISLER BY AUGUSTA	T-06-09RRCB	PL	CB/GY	116	166	28.3	54.6
GARST	8247YG1	C	CB	117	163	28.1	53.3
CLARK	CL 917	PH	CB/GY	117	157	29.1	54.5
PIONEER BRAND	31G96	PL	CB/GY/GU	117	156	27.6	54.3

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinanone-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture. There was no lodging at this location.

Planted April 18, 2006. Harvested September 12, 2006.

Table 4. Corn yields at the Tidewater AREC, Holland, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
DEKALB	DKC67-23 (RR2/YGCB)	PL	CB/GY	117	155	27.2	53.9
AUGUSTA	A5338	PL		116	155	25.7	50.4
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	155	27.8	51.3
TRISLER BY AUGUSTA	T-06-14CB	PL	CB	117	154	27.5	54.5
GARST	8294YG1/IT	C	CB/IT	118	151	29.0	51.3
SOUTHERN STATES	SS783RR2YGCB	PL	CB/GY	116	150	29.2	54.0
PIONEER BRAND	31P41	PL		118	148	27.9	52.2
AUGUSTA	A-06-02HX	PL	CB/GU	117	148	29.4	49.8
DOEBLERS	784XYG	PL	CB	117	147	28.3	51.4
TRISLER BY AUGUSTA	T-06-06CB	PL	CB	116	146	27.8	52.0
TRISLER BY AUGUSTA	T5338PLRR	PL	GY	116	146	26.5	50.5
VIGORO	V58Y41	C	CB	117	145	28.1	51.1
SOUTHERN STATES	777RRYGPL	PH	CB/GY/RW	116	145	27.4	52.7
PIONEER BRAND	31G71	PL	CB/GY/GU	118	142	28.1	52.0
FARMERS BEST	FB 905RRCB	PL	CB/GY	116	142	28.2	51.0
DEKALB	DKC66-23 (RR2/YGCB)	PL	CB/GY	116	138	26.7	52.7
DOEBLERS	761BDT	PL	CB	116	134	27.2	55.8
SOUTHERN STATES	791CL	PL		116	134	26.7	52.5
TRISLER BY AUGUSTA	T-06-03CB	PL	CB	116	119	25.1	54.0
Maturity Average					148	27.7	52.7
C.V.					7	2.5	1.2
L.S.D. (0.05)					18	1.2	1.0
Location Average					141	26.2	52.8

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture. There was no lodging at this location.

Planted April 18, 2006. Harvested September 12, 2006.

Table 5. Two-year average corn yields at the Tidewater AREC at Holland, Va., in 2005 and 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
≤107 Days Relative Maturity							
TRISLER BY AUGUSTA	T5244RRCB	PL	CB/GY	107	158	25.8	52.8
AUGUSTA	A3387	PL		107	151	24.7	53.3
				Maturity Average	155	25.3	53.1
				C.V.	4	4.3	1.5
				L.S.D. (0.05)	9	1.5	1.1
108-111 Days Relative Maturity							
NK BRAND	N65-C5	C	CB/GU	109	164	24.3	54.6
DOEBLERS	648RYG	PL	CB/GY	111	156	25.4	53.4
VIGORO	V50Y51	C	CB	110	154	25.0	54.1
TRISLER BY AUGUSTA	T5240CB	PL	CB	109	149	26.4	54.7
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	144	24.7	55.7
DEKALB	DKC61-72(RR2)	PL	GY	111	144	25.3	54.9
				Maturity Average	152	25.2	54.6
				C.V.	11	10.8	1.8
				L.S.D. (0.05)	19	3.0	1.1
112-115 Days Relative Maturity							
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	157	26.3	52.0
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	154	28.5	51.7
NK BRAND	N72-G8	C		112	125	25.1	51.9
				Maturity Average	145	26.6	51.9
				C.V.	13	4.1	1.9
				L.S.D. (0.05)	27	1.7	1.5
≥ 116 Days Relative Maturity							
DEKALB	DKC69-71 (RR2/YGCB)	PL	CB/GY	119	173	30.4	53.6
VIGORO	V58Y41	C	CB	117	157	28.2	52.0
DOEBLERS	784XYG	PL	CB	117	148	28.8	51.8
DOEBLERS	761BDT	PL	CB	116	147	27.2	56.1
				Maturity Average	156	28.7	53.4
				C.V.	6	3.1	0.8
				L.S.D. (0.05)	12	1.1	0.5
				Location Average	152	26.4	53.5

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 6. Three-year average corn yields at the Tidewater AREC at Holland, Va., 2004-2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
≤107 Days Relative Maturity							
TRISLER BY AUGUSTA	T5244RRCB	PL	CB/GY	107	168	22.7	53.6
AUGUSTA	A3387	PL		107	158	21.6	53.7
				Maturity Average	163	22.2	53.7
				C.V.	7	4.7	1.2
				L.S.D. (0.05)	11	1.0	0.7
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	158	22.6	53.7
112-115 Days Relative Maturity							
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	162	25.5	52.5
≥ 116 Days Relative Maturity							
DEKALB	DKC69-71 (RR2/YGCB)	PL	CB/GY	119	177	27.0	54.5
VIGORO	V58Y41	C	CB	117	163	25.6	52.3
DOEBLERS	784XYG	PL	CB	117	159	26.0	52.1
				Maturity Average	166	26.2	53.0
				C.V.	6	4.0	0.9
				L.S.D. (0.05)	9	1.0	0.4
				Location Average	164	24.4	53.2

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinon-tolerant and includes Clearfield[®]; GU = gluphosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 7. Corn yields under dryland conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., in 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu	Lodging %
≤107 Days Relative Maturity								
TRISLER BY AUGUSTA	T5244CBCRW	PL	CB/RW	107	130	21.1	54.4	4
TRISLER BY AUGUSTA	T5231CB	PL	CB	107	130	22.0	55.0	1
AUGUSTA	A-06-05	C		104	125	18.2	54.5	1
MID-ATLANTIC	MA7956Bt/CRW/RR	PL	CB/GY/ RW	95	123	18.4	56.3	7
AUGUSTA	A-06-11HX	PL	CB/GU	105	123	18.5	51.2	3
TRISLER BY AUGUSTA	T5234CBCRW	PL	CB/RW	107	121	21.7	56.2	2
TRISLER BY AUGUSTA	T5160CBCRW	PL	CB/RW	105	121	21.0	55.4	5
TRISLER BY AUGUSTA	T2744PLRR	PL	CB/GY/RR	102	121	20.5	54.8	3
MID-ATLANTIC	MA7066Bt	PL	CB	106	120	20.1	52.7	2
TRISLER BY AUGUSTA	T5247CB	PL	CB	107	117	22.0	57.6	8
T.A. SEEDS	TA 5753	PL	CB/GY	107	110	18.5	52.1	3
DOEBLERS	468RB	PL	CB/GY	98	110	18.2	54.2	1
TRISLER BY AUGUSTA	T5175CB	PL	CB	107	110	20.9	53.6	1
FARMERS BEST	FB 927RRCB	PL	CB/GY	107	108	22.6	55.9	7
TRISLER BY AUGUSTA	T4495CBCRW	PL	CB/RW	98	107	19.6	55.8	1
Maturity Average					118	20.2	54.6	3
C.V.					9	3.7	1.0	---
L.S.D. (0.05)					15	1.1	0.8	4
108-111 Days Relative Maturity								
AUGUSTA	A-06-08HX	PL	CB/GU	111	136	20.6	52.5	7
DEKALB	DKC61-45(RR2/ YGCB)	PL	CB/GY	111	133	21.0	56.0	6
DOEBLERS	648RYG	PL	CB/GY	111	132	20.9	54.9	5
PIONEER BRAND	34B94	PL	CB/GY	110	128	21.5	57.4	8
NK BRAND	N67-W5	C	CB/GU	109	127	20.3	53.3	3
NK BRAND	N68-B8	C	CB/GU	110	127	20.8	53.3	2
MID-ATLANTIC	MA8088RR	PL	GY	108	126	19.6	52.8	12
TRISLER BY AUGUSTA	T5240CB	PL	CB	109	122	21.5	53.9	2
NK BRAND	N65-C5	C	CB/GU	109	119	20.3	54.6	5
AUGUSTA	A-06-07Bt	PL	CB	110	118	19.8	52.0	2
VIGORO	V4860	C		108	117	20.3	52.8	2
SEED CONSULTANTS	SC10B97	C	CB	108	115	18.8	52.6	7
TRISLER BY AUGUSTA	T5262CB	PL	CB	110	115	20.9	53.5	3
MID-ATLANTIC	MA7096Bt	PL	CB	109	114	19.6	52.8	5
DEKALB	DKC61-72(RR2)	PL	GY	111	113	20.1	55.5	9
PIONEER BRAND	34A16	PL	CB/GU	110	113	20.8	56.0	4
VIGORO	V52YR52	C	CB	111	112	21.1	55.0	4
MID-ATLANTIC	MA9114	PL		108	112	20.9	57.7	3

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted April 26, 2006. Harvested September 21, 2006.

Table 7. Corn yields under dryland conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu	Lodging %
VIGORO	V50Y51	C	CB	110	111	20.7	55.1	8
SOUTHERN STATES	95033	PL	CB/GY	111	111	20.7	53.4	3
AUGUSTA	A-06-03HX	PL	CB/GU	111	110	21.6	52.5	13
SEED CONSULTANTS	SC1124A	C		111	109	22.2	54.9	10
TRISLER BY AUGUSTA	T-05-30PLRR	PL	CB/GY/ RW	108	108	21.6	55.4	7
TRISLER BY AUGUSTA	T5257PLRR	PL	CB/GY/ RW	111	108	24.1	54.4	7
SOUTHERN STATES	SS574RR2YGCB	PL	CB/GY	108	107	19.5	55.1	3
DOEBLERS	631XY	PL		110	104	20.4	56.8	8
Maturity Average					117	20.8	54.4	6
C.V.					11	4.2	1.5	---
L.S.D. (0.05)					18	1.2	1.2	6
112-115 Days Relative Maturity								
DEKALB	DKC63-74 (RR2/YGPL)	PL	CB/GY/ RW	113	138	21.4	57.4	4
AUGUSTA	A-06-06	C		115	136	21.6	54.4	8
SEED CONSULTANTS	SC11B45	C	CB	114	130	23.8	53.5	4
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	129	23.4	53.3	5
PIONEER BRAND	33V16	PL	CB/GY	114	129	22.0	57.4	1
AUGUSTA	A5337	PL		113	129	23.1	52.8	5
PIONEER BRAND	33M53	PL	GY	115	126	23.1	57.3	5
MID-ATLANTIC	MA7126Bt	PL	CB	112	126	21.2	55.3	4
DEKALB	DKC63-39 (RR2/YGPL)	PL	CB/GY/ RW	113	125	20.7	55.7	1
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	125	22.4	53.1	5
MID-ATLANTIC	MA7125YG	PL	CB	112	125	21.8	53.3	3
NK BRAND	N72-G8	C		112	125	19.9	54.2	12
CLARK	CL 915	PH	CB/GY	115	125	22.8	52.7	6
VIGORO	V54Y61	C	CB/GY	114	122	21.9	52.7	5
MID-ATLANTIC	MA7150Bt/ CRW/RR	PL	CB/GY/ RW	115	121	22.3	52.1	3
AUGUSTA	A-06-13	PL		114	119	23.4	54.7	7
T.A. SEEDS	TA686-03	PL	CB/GY	113	118	21.2	55.5	6
AUGUSTA	A-06-09HX	PL	CB/GU	113	118	22.1	53.6	12
VIGORO	EX655016	C	CB	112	115	21.7	52.3	3
TRISLER BY AUGUSTA	T04-69CBCRW	PL	CB/RW	112	114	20.6	53.4	5
SEED CONSULTANTS	SC11B40	C	CB	112	113	22.5	54.9	6
DOEBLERS	731XY	PL		115	110	23.0	56.2	5
AUGUSTA	A-06-04HX	PL	CB/GU	113	110	20.8	52.3	1
MID-ATLANTIC	MA7136BtCRW	PL	CB/RW	113	109	23.4	55.8	8
MID-ATLANTIC	MA7156Bt	PL	CB	115	109	25.8	53.9	4

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruise[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinan-non-tolerant and includes Clearfield[®]; GU = glufosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted April 26, 2006. Harvested September 21, 2006.

Table 7. Corn yields under dryland conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu	Lodging %
AUGUSTA	A-06-10HX	PL	CB/GU	115	109	21.6	52.3	2
VIGORO	V52Y61	C	CB	112	108	20.4	53.0	3
MID-ATLANTIC	MA9152	PL		114	108	20.8	54.9	5
TRISLER BY AUGUSTA	T-05-26CBCRW	PL	CB/RW	112	105	24.2	54.7	12
SEED CONSULTANTS	SC11B55	C	CB	115	99	21.0	52.7	11
TRISLER BY AUGUSTA	T-04-59CBCRW	PL	CB/RW	114	99	25.3	55.2	11
MID-ATLANTIC	MA8146Bt/RR	PL	CB/GY	114	99	24.0	54.2	6
Maturity Average					118	22.3	54.2	6
C.V.					13	4.4	1.5	---
L.S.D. (0.05)					22	1.4	1.1	6
≥ 116 Days Relative Maturity								
PIONEER BRAND	31P41	PL		118	137	23.4	55.7	5
AUGUSTA	A-06-02HX	PL	CB/GU	117	129	25.2	51.4	7
PIONEER BRAND	31G96	PL	CB/GY/GU	117	122	22.9	56.2	7
SOUTHERN STATES	777RRYGPL	PH	CB/GY/ RW	116	120	22.5	53.8	7
TRISLER BY AUGUSTA	T-06-03CB	PL	CB	116	117	20.1	55.3	7
DEKALB	DKC66-23(RR2/ YGCB)	PL	CB/GY	116	116	22.6	54.9	7
PIONEER BRAND	31G71	PL	CB/GY/GU	118	116	22.4	54.8	15
SEED CONSULTANTS	SC11H76	C	CB	117	115	24.6	52.6	8
DOEBLERS	784XYG	PL	CB	117	115	22.5	52.2	7
T.A. SEEDS	TA780-13	PL	CB/GY/ RW	117	113	21.7	52.5	7
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	113	23.0	52.1	12
SEED CONSULTANTS	SC11BR96	C	CB/GY	118	112	25.6	56.7	6
SEED CONSULTANTS	SC11B65	C	CB	116	111	22.1	52.7	2
FARMERS BEST	FB 905RRCB	PL	CB/GY	116	111	25.0	53.8	14
SOUTHERN STATES	SS783RR2YGCB	PL	CB/GY	116	111	24.5	54.8	4
SOUTHERN STATES	791CL	PL		116	109	23.7	56.1	10
TRISLER BY AUGUSTA	T5338PLRR	PL	GY	116	108	21.4	52.7	7
DOEBLERS	761BDT	PL	CB	116	107	23.2	56.2	4
SEED CONSULTANTS	SC11BR77	C	CB/GY	117	104	24.7	53.9	2
SEED CONSULTANTS	SC11BR46	C	CB/GY	116	102	22.8	55.6	10
TRISLER BY AUGUSTA	T-06-06CB	PL	CB	116	102	25.6	54.5	7
TRISLER BY AUGUSTA	T-06-09RRCB	PL	CB/GY	116	101	24.0	54.1	3
Maturity Average					113	23.3	54.2	7
C.V.					12	3.4	1.5	---
L.S.D. (0.05)					19	1.1	1.2	8
Location Average					117	21.8	54.3	6

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted April 26, 2006. Harvested September 21, 2006.

Table 8. Two-year average corn yields under dryland conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., in 2005 and 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
≤107 Days Relative Maturity							
T.A. SEEDS	TA 5753	PL	CB/GY	107	137	19.6	54.9
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	157	21.9	55.8
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	156	21.4	57.5
NK BRAND	N65-C5	C	CB/GU	109	156	21.7	56.0
TRISLER BY AUGUSTA	T5240CB	PL	CB	109	155	22.2	55.6
DEKALB	DKC61-72(RR2)	PL	GY	111	148	21.0	56.3
MID-ATLANTIC	MA9114	PL		108	143	21.0	58.9
VIGORO	V50Y51	C	CB	110	138	21.5	56.3
				Maturity Average	150	21.5	56.6
				C.V.	8	4.1	1.1
				L.S.D. (0.05)	14	0.9	0.7
112-115 Days Relative Maturity							
VIGORO	V54Y61	C	CB/GY	114	156	22.3	55.1
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	156	24.4	54.1
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	155	23.2	53.8
SEED CONSULTANTS	SC11B45	C	CB	114	153	24.5	53.9
AUGUSTA	A5337	PL		113	153	24.2	53.9
NK BRAND	N72-G8	C		112	150	21.0	55.5
SEED CONSULTANTS	SC11B40	C	CB	112	141	22.7	56.2
MID-ATLANTIC	MA9152	PL		114	137	21.6	55.8
SEED CONSULTANTS	SC11B55	C	CB	115	136	22.2	53.8
				Maturity Average	149	22.9	54.7
				C.V.	10	4.6	1.1
				L.S.D. (0.05)	16	1.1	0.7
≥ 116 Days Relative Maturity							
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	146	23.8	53.5
T.A. SEEDS	TA780-13	PL	CB/GY/RW	117	145	23.1	53.9
DOEBLERS	761BDT	PL	CB	116	137	23.3	57.6
DOEBLERS	784XYG	PL	CB	117	125	23.8	53.3
				Maturity Average	138	23.5	54.6
				C.V.	11	3.9	1.0
				L.S.D. (0.05)	18	1.0	0.6
				Location Average	147	22.4	55.3

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 9. Three-year average corn yields under dryland conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., 2004-2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	169	21.6	55.4
112-115 Days Relative Maturity							
SEED CONSULTANTS	SC11B45	C	CB	114	174	23.7	53.3
AUGUSTA	A5337	PL		113	172	23.3	53.9
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	171	24.0	53.6
SEED CONSULTANTS	SC11B55	C	CB	115	163	22.1	53.5
Maturity Average					170	23.3	53.6
C.V.					9	4.1	1.4
L.S.D. (0.05)					13	0.8	0.6
≥ 116 Days Relative Maturity							
DOEBLERS	784XYG	PL	CB	117	148	23.6	52.7
Location Average					166	23.1	53.7
¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®. ² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinonon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®. ³ Days to maturity provided by company; differences in maturity rating methods may exist among companies. ⁴ Reported at 15.5% moisture.							

Table 10. Corn yields under irrigated conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., in 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu	Lodging %
≤107 Days Relative Maturity								
TRISLER BY AUGUSTA	T5244CBCRW	PL	CB/RW	107	206	25.5	54.5	41
TRISLER BY AUGUSTA	T5231CB	PL	CB	107	199	24.8	55.7	44
MID-ATLANTIC	MA7066Bt	PL	CB	106	194	24.7	54.9	46
TRISLER BY AUGUSTA	T5175CB	PL	CB	107	187	24.3	54.1	24
TRISLER BY AUGUSTA	T5234CBCRW	PL	CB/RW	107	187	25.4	56.0	52
AUGUSTA	A-06-11HX	PL	CB/GU	105	184	23.7	53.2	13
TRISLER BY AUGUSTA	T2744PLRR	PL	CB/GY/RR	102	181	27.3	55.5	71
MID-ATLANTIC	MA7956Bt/CRW/RR	PL	CB/GY/RW	95	180	22.4	57.7	25
T.A. SEEDS	TA 5753	PL	CB/GY	107	178	22.7	54.3	23
FARMERS BEST	FB 927RRCB	PL	CB/GY	107	178	25.7	56.9	21
TRISLER BY AUGUSTA	T5160CBCRW	PL	CB/RW	105	176	27.1	54.6	67
AUGUSTA	A-06-05	C		104	176	21.7	56.4	7
TRISLER BY AUGUSTA	T5247CB	PL	CB	107	166	25.1	57.2	68
DOEBLERS	468RB	PL	CB/GY	98	165	23.0	56.0	46
TRISLER BY AUGUSTA	T4495CBCRW	PL	CB/RW	98	156	25.3	56.5	62
Maturity Average					181	24.6	55.6	41
C.V.					9	3.9	1.5	---
L.S.D. (0.05)					24	1.4	1.2	23
108-111 Days Relative Maturity								
DEKALB	DKC61-45(RR2/YGCB)	PL	CB/GY	111	216	24.0	57.3	12
SEED CONSULTANTS	SC10B97	C	CB	108	214	24.2	54.4	37
TRISLER BY AUGUSTA	T5262CB	PL	CB	110	208	25.3	53.5	34
AUGUSTA	A-06-08HX	PL	CB/GU	111	202	25.7	52.7	41
TRISLER BY AUGUSTA	T-05-30PLRR	PL	CB/GY/RW	108	201	24.8	55.9	34
VIGORO	V52YR52	C	CB	111	198	25.8	54.6	65
DEKALB	DKC61-72(RR2)	PL	GY	111	197	23.3	55.8	16
SEED CONSULTANTS	SC1124A	C		111	196	24.9	56.2	15
NK BRAND	N65-C5	C	CB/GU	109	195	24.1	55.5	25
NK BRAND	N68-B8	C	CB/GU	110	194	24.0	54.1	7
MID-ATLANTIC	MA8088RR	PL	GY	108	192	23.6	55.3	15
DOEBLERS	648RYG	PL	CB/GY	111	190	25.4	54.5	52
VIGORO	V50Y51	C	CB	110	190	24.2	55.1	42
TRISLER BY AUGUSTA	T5240CB	PL	CB	109	189	25.5	54.8	58
MID-ATLANTIC	MA7096Bt	PL	CB	109	189	24.5	54.3	20
DOEBLERS	631XY	PL		110	188	24.5	56.6	33
NK BRAND	N67-W5	C	CB/GU	109	186	24.6	55.6	15
AUGUSTA	A-06-03HX	PL	CB/GU	111	185	25.0	52.1	24

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinanon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted April 28, 2006. Harvested September 20, 2006.

Table 10. Corn yields under irrigated conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu	Lodging %
SOUTHERN STATES	95033	PL	CB/GY	111	184	24.8	54.1	28
PIONEER BRAND	34B94	PL	CB/GY	110	181	25.3	58.1	27
PIONEER BRAND	34A16	PL	CB/GU	110	179	24.3	57.1	-2
AUGUSTA	A-06-07Bt	PL	CB	110	179	24.6	53.2	25
MID-ATLANTIC	MA9114	PL		108	179	24.4	57.3	14
VIGORO	V4860	C		108	178	23.7	55.2	53
TRISLER BY AUGUSTA	T5257PLRR	PL	CB/GY/RW	111	177	26.6	55.5	29
SOUTHERN STATES	SS574RR2YGCB	PL	CB/GY	108	171	23.5	55.6	13
Maturity Average					191	24.6	55.2	28
C.V.					8	4.3	1.7	---
L.S.D. (0.05)					22	1.5	1.4	28
112-115 Days Relative Maturity								
MID-ATLANTIC	MA7156Bt	PL	CB	115	214	27.6	54.3	28
AUGUSTA	A-06-06	C		115	214	25.4	52.9	20
CLARK	CL 915	PH	CB/GY	115	209	26.5	53.3	37
SEED CONSULTANTS	SC11B45	C	CB	114	209	26.5	53.0	50
MID-ATLANTIC	MA8146Bt/RR	PL	CB/GY	114	206	26.4	55.1	24
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	204	26.5	52.7	38
MID-ATLANTIC	MA7125YG	PL	CB	112	204	25.8	53.6	58
AUGUSTA	A-06-10HX	PL	CB/GU	115	203	25.2	52.5	7
MID-ATLANTIC	MA7150Bt/CRW/RR	PL	CB/GY/RW	115	202	25.2	54.0	42
AUGUSTA	A5337	PL		113	200	27.4	53.2	49
TRISLER BY AUGUSTA	T04-69CBCRW	PL	CB/RW	112	199	24.8	53.8	35
VIGORO	V54Y61	C	CB/GY	114	198	26.2	53.5	45
MID-ATLANTIC	MA7126Bt	PL	CB	112	197	24.0	55.6	25
TRISLER BY AUGUSTA	T-04-59CBCRW	PL	CB/RW	114	196	25.9	55.7	17
VIGORO	EX655016	C	CB	112	193	25.1	53.0	30
SEED CONSULTANTS	SC11B55	C	CB	115	192	27.1	51.8	39
VIGORO	V52Y61	C	CB	112	192	24.4	53.9	24
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	192	24.5	53.1	34
DEKALB	DKC63-39 (RR2/YGPL)	PL	CB/GY/RW	113	190	25.7	55.7	23
MID-ATLANTIC	MA7136BtCRW	PL	CB/RW	113	189	25.1	55.6	25
AUGUSTA	A-06-13	PL		114	188	26.2	54.4	19
T.A. SEEDS	TA686-03	PL	CB/GY	113	188	24.8	56.1	39
AUGUSTA	A-06-09HX	PL	CB/GU	113	188	25.3	54.8	8
DOEBLERS	731XY	PL		115	187	26.0	56.4	6
TRISLER BY AUGUSTA	T-05-26CBCRW	PL	CB/RW	112	187	26.7	53.8	23
AUGUSTA	A-06-04HX	PL	CB/GU	113	185	24.7	53.8	14

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted April 28, 2006. Harvested September 20, 2006.

Table 10. Corn yields under irrigated conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu	Lodging %
MID-ATLANTIC	MA9152	PL		114	182	24.9	55.9	6
PIONEER BRAND	33M53	PL	GY	115	180	26.4	57.2	24
SEED CONSULTANTS	SC11B40	C	CB	112	177	25.1	55.4	19
PIONEER BRAND	33V16	PL	CB/GY	114	176	27.1	56.1	6
NK BRAND	N72-G8	C		112	176	24.1	54.1	29
DEKALB	DKC63-74 (RR2/YGPL)	PL	CB/GY/RW	113	170	24.0	57.9	19
Maturity Average					193	25.6	54.4	27
C.V.					8	4.0	1.8	---
L.S.D. (0.05)					23	1.5	1.4	23
≥ 116 Days Relative Maturity								
TRISLER BY AUGUSTA	T-06-06CB	PL	CB	116	211	27.5	54.6	19
PIONEER BRAND	31G71	PL	CB/GY/GU	118	198	26.3	54.4	6
SEED CONSULTANTS	SC11B65	C	CB	116	193	25.8	53.0	10
DEKALB	DKC66-23 (RR2/YGCB)	PL	CB/GY	116	192	25.7	55.2	33
AUGUSTA	A-06-02HX	PL	CB/GU	117	191	27.3	50.4	62
SOUTHERN STATES	777RRYGPL	PH	CB/GY/RW	116	191	26.3	54.2	48
PIONEER BRAND	31P41	PL		118	189	26.6	55.0	10
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	188	26.5	51.3	62
SEED CONSULTANTS	SC11H76	C	CB	117	188	28.0	51.4	64
DOEBLERS	784XYG	PL	CB	117	188	26.4	52.9	37
SOUTHERN STATES	SS783RR2YGCB	PL	CB/GY	116	187	26.4	54.9	33
SEED CONSULTANTS	SC11BR46	C	CB/GY	116	182	25.0	55.1	20
PIONEER BRAND	31G96	PL	CB/GY/GU	117	180	27.4	54.8	43
SEED CONSULTANTS	SC11BR96	C	CB/GY	118	179	30.7	55.0	60
T.A. SEEDS	TA780-13	PL	CB/GY/RW	117	179	25.1	53.1	49
TRISLER BY AUGUSTA	T-06-03CB	PL	CB	116	179	24.3	56.3	13
TRISLER BY AUGUSTA	T5338PLRR	PL	GY	116	179	25.5	54.0	52
TRISLER BY AUGUSTA	T-06-09RRCB	PL	CB/GY	116	178	28.4	55.2	38
FARMERS BEST	FB 905RRCB	PL	CB/GY	116	175	28.4	52.7	50
SEED CONSULTANTS	SC11BR77	C	CB/GY	117	173	26.4	55.6	27
DOEBLERS	761BDT	PL	CB	116	171	25.8	56.7	9
SOUTHERN STATES	791CL	PL		116	151	26.8	55.1	40
Maturity Average					184	26.7	54.1	36
C.V.					12	4.1	1.9	---
L.S.D. (0.05)					31	1.5	1.4	26
Location Average					188	25.4	54.7	31

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinan-non-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted April 28, 2006. Harvested September 20, 2006.

Table 11. Two-year average corn yields under irrigated conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., in 2005 and 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
≤107 Days Relative Maturity							
T.A. SEEDS	TA 5753	PL	CB/GY	107	181	21.9	55.9
108-111 Days Relative Maturity							
DEKALB	DKC61-72(RR2)	PL	GY	111	207	22.5	56.1
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	204	22.2	57.7
NK BRAND	N65-C5	C	CB/GU	109	200	23.0	56.2
VIGORO	V50Y51	C	CB	110	196	23.4	56.6
DOEBLERS	648RYG	PL	CB/GY	111	193	24.4	55.7
MID-ATLANTIC	MA9114	PL		108	188	23.3	58.8
TRISLER BY AUGUSTA	T5240CB	PL	CB	109	187	24.1	55.9
				Maturity Average	196	23.3	56.7
				C.V.	10	5.3	1.7
				L.S.D. (0.05)	22	1.3	1.0
112-115 Days Relative Maturity							
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	203	25.9	54.6
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	203	24.3	54.3
VIGORO	V54Y61	C	CB/GY	114	195	24.2	54.9
AUGUSTA	A5337	PL		113	190	25.9	54.6
SEED CONSULTANTS	SC11B55	C	CB	115	188	26.0	53.8
MID-ATLANTIC	MA9152	PL		114	187	24.0	57.0
NK BRAND	N72-G8	C		112	187	23.5	54.9
SEED CONSULTANTS	SC11B45	C	CB	114	184	26.4	55.1
SEED CONSULTANTS	SC11B40	C	CB	112	174	25.1	57.1
				Maturity Average	190	25.0	55.1
				C.V.	10	6.4	2.0
				L.S.D. (0.05)	20	1.8	1.2
≥ 116 Days Relative Maturity							
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	187	25.2	53.5
T.A. SEEDS	TA780-13	PL	CB/GY/RW	117	179	24.2	55.4
DOEBLERS	784XYG	PL	CB	117	178	25.8	54.8
DOEBLERS	761BDT	PL	CB	116	177	24.6	58.2
				Maturity Average	180	25.0	55.5
				C.V.	9	3.8	1.3
				L.S.D. (0.05)	20	1.1	0.8
				Location Average	190	24.3	55.8

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glyphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 12. Three-year average corn yields under irrigated conditions at the Virginia Crop Improvement Foundation Seed Farm at Mt. Holly, Va., 2004-2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	199	21.7	55.5
112-115 Days Relative Maturity							
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	205	24.2	54.7
SEED CONSULTANTS	SC11B55	C	CB	115	203	23.9	53.7
SEED CONSULTANTS	SC11B45	C	CB	114	194	24.1	54.3
AUGUSTA	A5337	PL		113	194	23.3	54.7
				Maturity Average	199	23.9	54.4
				C.V.	10	6.6	2.2
				L.S.D. (0.05)	17	1.3	1.0
≥ 116 Days Relative Maturity							
DOEBLERS	784XYG	PL	CB	117	198	23.9	54.4
				Location Average	199	23.5	54.6
¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®. ² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinonon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®. ³ Days to maturity provided by company; differences in maturity rating methods may exist among companies. ⁴ Reported at 15.5% moisture.							

Table 13. Corn yields at the Southern Piedmont AREC at Blackstone, Va., in 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
≤107 Days Relative Maturity							
FARMERS BEST	FB 927RRCB	PL	CB/GY	107	150	27.4	52.4
GARST	8688GT	C	GY	104	117	22.6	49.8
TRISLER BY AUGUSTA	T5175CB	PL	CB	107	107	28.0	52.0
Maturity Average					125	26.0	51.4
C.V.					8	2.3	0.9
L.S.D. (0.05)					18	1.0	0.8
108-111 Days Relative Maturity							
NK BRAND	N68-B8	C	CB/GU	110	161	25.6	53.4
NK BRAND	N65-C5	C	CB/GU	109	157	26.0	51.6
DOEBLERS	648RYG	PL	CB/GY	111	151	26.0	50.0
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	149	23.7	51.3
SOUTHERN STATES	95033	PL	CB/GY	111	147	27.0	52.8
DEKALB	DKC61-72(RR2)	PL	GY	111	145	25.5	50.2
DOEBLERS	631XY	PL		110	144	24.2	53.7
MID-ATLANTIC	MA8088RR	PL	GY	108	143	25.2	51.7
NK BRAND	N67-W5	C	CB/GU	109	138	24.9	52.3
SOUTHERN STATES	SS574RR2YGCB	PL	CB/GY	108	138	24.4	53.4
MID-ATLANTIC	MA9114	PL		108	132	24.6	52.7
Maturity Average					146	25.2	52.1
C.V.					9	1.5	0.9
L.S.D. (0.05)					20	0.6	0.7
112-115 Days Relative Maturity							
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	162	28.6	51.3
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	154	28.0	53.3
GARST	8353CB/LL	C	CB/GU	114	152	27.7	54.5
PIONEER BRAND	33V16	PL	CB/GY	114	150	27.7	55.0
AUGUSTA	T-05-27CB	PL	CB	114	149	29.9	53.9
NK BRAND	N77-P5	C	CB/GU	114	148	27.8	52.7
MID-ATLANTIC	MA7156Bt	PL	CB	115	147	31.1	55.6
DEKALB	DKC63-74 (RR2/YGPL)	PL	CB/GY/RW	113	146	25.9	52.9
MID-ATLANTIC	MA7126Bt	PL	CB	112	146	25.5	52.7
DOEBLERS	731XY	PL		115	144	27.8	51.0
GARST	8452CB/LL	C	CB/GU	112	142	26.1	52.0
AUGUSTA	A5337	PL		113	142	28.4	56.2
AUGUSTA	A-06-13	PL		114	141	28.9	53.6
DEKALB	DKC63-39 (RR2/YGPL)	PL	CB/GY/RW	113	140	25.5	53.8

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glyphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture. There was no lodging at this location.

Planted April 19, 2006. Harvested September 11, 2006.

Table 13. Corn yields at the Southern Piedmont AREC at Blackstone, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
MID-ATLANTIC	MA8146B1/RR	PL	CB/GY	114	138	29.4	52.8
NK BRAND	N72-G8	C		112	137	24.8	54.3
MID-ATLANTIC	MA9152	PL		114	132	27.2	51.5
				Maturity Average	145	27.7	53.4
				C.V.	6	1.8	0.9
				L.S.D. (0.05)	12	0.7	0.7
≥ 116 Days Relative Maturity							
GARST	8247YG1	C	CB	117	160	29.7	52.5
TRISLER BY AUGUSTA	T04-102CB	PL	CB	118	157	30.7	55.9
PIONEER BRAND	31G96	PL	CB/GY/GU	117	157	28.6	54.2
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	156	28.9	51.4
SOUTHERN STATES	777RRYGPL	PH	CB/GY/RW	116	152	28.1	53.7
TRISLER BY AUGUSTA	T-06-03CB	PL	CB	116	151	25.6	51.8
TRISLER BY AUGUSTA	T5338PLRR	PL	GY	116	151	27.2	52.7
PIONEER BRAND	31G71	PL	CB/GY/GU	118	146	28.1	52.0
PIONEER BRAND	31P41	PL		118	146	29.4	54.2
DOEBLERS	784XYG	PL	CB	117	146	28.3	51.4
AUGUSTA	A5338	PL		116	145	27.8	51.4
FARMERS BEST	FB 905RRCB	PL	CB/GY	116	143	29.2	51.8
TRISLER BY AUGUSTA	T-06-06CB	PL	CB	116	143	30.8	52.6
TRISLER BY AUGUSTA	T-06-14CB	PL	CB	117	140	28.7	52.7
TRISLER BY AUGUSTA	T-04-51RRCB	PL	CB/GY	117	140	29.6	55.9
AUGUSTA	A-04-102	PL		118	139	30.5	51.7
GARST	8294YG1/IT	C	CB/IT	118	138	31.3	51.0
TRISLER BY AUGUSTA	T-06-09RRCB	PL	CB/GY	116	137	28.6	53.3
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	136	29.5	56.8
SOUTHERN STATES	SS783RR2YGCB	PL	CB/GY	116	133	28.4	55.1
CLARK	CL 917	PH	CB/GY	117	132	28.8	52.5
DEKALB	DKC66-23 (RR2/YGCB)	PL	CB/GY	116	131	27.2	52.2
DOEBLERS	761BDT	PL	CB	116	131	28.3	53.9
TRISLER BY AUGUSTA	T05-23RR	PL	GY	117	129	29.9	53.4
TRISLER BY AUGUSTA	T-05-135RR	PL	GY	117	123	28.4	53.2
SOUTHERN STATES	791CL	PL		116	121	28.9	53.5
				Maturity Average	142	28.9	53.1
				C.V.	7	1.9	1.1
				L.S.D. (0.05)	15	0.8	0.8
				Location Average	143	27.6	52.9

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture. There was no lodging at this location.

Planted April 19, 2006. Harvested September 11, 2006.

Table 14. Two-year average corn yields at the Southern Piedmont AREC at Blackstone, Va., in 2005 and 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	141	25.3	53.0
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	140	22.6	55.2
DEKALB	DKC61-72(RR2)	PL	GY	111	134	23.9	55.2
Maturity Average					138	23.9	54.5
C.V.					6	2.2	1.2
L.S.D. (0.05)					8	0.6	0.7
112-115 Days Relative Maturity							
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	138	27.3	52.1
MID-ATLANTIC	MA9152	PL		114	128	25.6	54.1
Maturity Average					133	26.5	53.1
C.V.					3	2.6	0.4
L.S.D. (0.05)					8	1.3	0.4
≥ 116 Days Relative Maturity							
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	133	28.3	51.4
DOEBLERS	784XYG	PL	CB	117	124	28.6	51.4
DOEBLERS	761BDT	PL	CB	116	117	27.3	55.3
Maturity Average					125	28.1	52.7
C.V.					11	3.1	1.0
L.S.D. (0.05)					16	1.0	0.6
Location Average					132	26.1	53.5

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 15. Three-year average corn yields at the Southern Piedmont AREC at Blackstone, Va., 2004-2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	163	22.4	54.4
≥ 116 Days Relative Maturity							
DOEBLERS	784XYG	PL	CB	117	144	24.5	53.2
Location Average					154	23.5	53.8

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinon-tolerant and includes Clearfield[®]; GU = glufosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 16. Corn yields at the Northern Piedmont AREC at Orange, Va., in 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Lodging%	Days to Silk	Ear Ht inches
≤107 Days Relative Maturity									
T.A. SEEDS	TA 5753	PL	CB/GY	107	177	14.3	15	73	40
TRISLER BY AUGUSTA	T5234CBCRW	PL	CB/RW	107	169	15.1	45	71	38
TRISLER BY AUGUSTA	T5175CB	PL	CB	107	163	15.2	38	72	38
MID-ATLANTIC	MA7066Bt	PL	CB	106	154	15.5	52	70	42
TRISLER BY AUGUSTA	T5160CBCRW	PL	CB/RW	105	127	15.3	68	70	38
TRISLER BY AUGUSTA	T5247CB	PL	CB	107	117	15.7	72	72	35
DOEBLERS	468RB	PL	CB/GY	98	113	14.4	53	69	37
Maturity Average					146	15.1	49	71	38
C.V.					8	4.6	---	1	5
L.S.D. (0.05)					21	1.2	36	1	4
108-111 Days Relative Maturity									
SEED CONSULTANTS	SC10B97	C	CB	108	153	14.2	42	73	38
TRISLER BY AUGUSTA	T-05-30PLRR	PL	CB/GY/ RW	108	152	14.5	45	72	38
SOUTHERN STATES	95033	PL	CB/GY	111	146	14.9	35	73	37
MID-ATLANTIC	MA7096Bt	PL	CB	109	141	14.7	33	73	36
PIONEER BRAND	34A16	PL	CB/GU	110	140	15.1	48	69	36
DEKALB	DKC61-72(RR2)	PL	GY	111	138	15.7	33	71	38
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	135	15.4	4	74	37
NK BRAND	N68-B8	C	CB/GU	110	134	14.3	7	73	35
VIGORO	V52YR52	C	CB	111	132	15.1	63	71	37
T.A. SEEDS	TA 6993	PL	CB/GY	111	132	15.7	50	72	35
VIGORO	V50Y51	C	CB	110	131	15.5	48	72	34
MID-ATLANTIC	MA8088RR	PL	GY	108	130	14.9	8	73	37
SEED CONSULTANTS	SC1124A	C		111	127	14.8	58	73	42
TRISLER BY AUGUSTA	T5257PLRR	PL	CB/GY/ RW	111	127	15.3	43	72	39
NK BRAND	N65-C5	C	CB/GU	109	126	15.1	42	72	32
SOUTHERN STATES	SS574RR2YGCB	PL	CB/GY	108	126	15.7	38	70	37
DOEBLERS	648RYG	PL	CB/GY	111	113	15.4	55	73	34
VIGORO	V4860	C		108	112	14.0	17	72	39
AUGUSTA	A-06-03HX	PL	CB/GU	111	112	14.9	17	73	39
DOEBLERS	631XY	PL		110	101	15.0	24	76	35
Maturity Average					130	15.0	36	72	37
C.V.					15	7.5	---	1	8
L.S.D. (0.05)					33	1.9	30	2	5

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted May 2, 2006. Harvested October 23-24, 2006.

Table 16. Corn yields at the Northern Piedmont AREC at Orange, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Lodging%	Days to Silk	Ear Ht inches
112-115 Days Relative Maturity									
PIONEER BRAND	33V16	PL	CB/GY	114	189	14.9	30	74	40
VIGORO	EX655016	C	CB	112	177	14.6	34	73	44
PIONEER BRAND	33M53	PL	GY	115	176	15.8	7	71	39
MID-ATLANTIC	MA7126Bt	PL	CB	112	176	13.6	53	71	43
SEED CONSULTANTS	SC11B45	C	CB	114	173	14.8	40	73	41
MID-ATLANTIC	MA7156Bt	PL	CB	115	168	16.2	22	77	47
VIGORO	V52Y61	C	CB	112	166	14.8	43	72	39
T.A. SEEDS	TA775-02	PL	GY	114	166	13.8	13	74	43
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	162	15.7	52	73	38
AUGUSTA	A-06-13	PL		114	161	14.3	25	74	45
VIGORO	V54Y61	C	CB/GY	114	160	14.6	22	72	40
SEED CONSULTANTS	SC11B55	C	CB	115	160	15.1	45	75	46
DEKALB	DKC63-74 (RR2/YGPL)	PL	CB/GY/ RW	113	155	15.5	47	69	38
DOEBLERS	731XY	PL		115	154	15.1	5	74	41
AUGUSTA	A-06-04HX	PL	CB/GU	113	154	14.6	3	71	38
SEED CONSULTANTS	SC11B40	C	CB	112	150	15.5	18	73	41
NK BRAND	N72-G8	C		112	150	14.6	12	69	42
AUGUSTA	A5337	PL		113	150	13.8	62	73	40
DEKALB	DKC63-39 (RR2/YGPL)	PL	CB/GY/ RW	113	149	15.7	8	71	40
T.A. SEEDS	TA686-03	PL	CB/GY	113	145	15.1	18	69	40
MID-ATLANTIC	MA8146Bt/RR	PL	CB/GY	114	142	15.5	23	75	42
Maturity Average					161	14.9	28	73	41
C.V.					9	7.2	---	1	7
L.S.D. (0.05)					23	1.8	33	2	5

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted May 2, 2006. Harvested October 23-24, 2006.

Table 16. Corn yields at the Northern Piedmont AREC at Orange, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Lodging%	Days to Silk	Ear Ht inches
≥ 116 Days Relative Maturity									
PIONEER BRAND	31P41	PL		118	171	15.7	5	73	45
PIONEER BRAND	31G71	PL	CB/GY/ GU	118	169	15.7	12	75	40
CLARK	CL 917	PH	CB/GY	117	155	15.8	27	76	45
DOEBLERS	784XYG	PL	CB	117	153	15.6	18	72	39
T.A. SEEDS	TA780-13	PL	CB/GY/ RW	117	152	15.1	57	73	39
SEED CONSULTANTS	SC11H76	C	CB	117	152	15.6	13	74	45
SEED CONSULTANTS	SC11BR77	C	CB/GY	117	150	15.7	11	74	41
PIONEER BRAND	31G96	PL	CB/GY/ GU	117	147	14.8	22	74	43
DEKALB	DKC66-23 (RR2/YGCB)	PL	CB/GY	116	146	15.7	75	70	39
TRISLER BY AUGUSTA	T5338PLRR	PL	GY	116	140	13.9	52	73	38
AUGUSTA	A-06-02HX	PL	CB/GU	117	135	16.0	25	75	45
AUGUSTA	A5338	PL		116	135	15.0	52	74	42
SOUTHERN STATES	SS783RR2YGCB	PL	CB/GY	116	135	15.6	18	75	42
TRISLER BY AUGUSTA	T-06-03CB	PL	CB	116	134	15.2	8	70	40
SEED CONSULTANTS	SC11BR96	C	CB/GY	118	132	15.3	43	75	45
SOUTHERN STATES	791CL	PL		116	132	15.5	25	76	45
TRISLER BY AUGUSTA	T-06-06CB	PL	CB	116	131	16.7	28	77	45
SEED CONSULTANTS	SC11B65	C	CB	116	128	14.7	20	74	38
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	127	15.5	15	75	43
SOUTHERN STATES	777RRYGPL	PH	CB/GY/ RW	116	127	14.7	23	71	39
DOEBLERS	761BDT	PL	CB	116	125	15.9	5	73	38
SEED CONSULTANTS	SC11BR46	C	CB/GY	116	122	16.0	10	75	42
TRISLER BY AUGUSTA	T-06-09RRCB	PL	CB/GY	116	113	13.8	12	75	39
Maturity Average					140	15.4	25	74	42
C.V.					11	6.5	---	1	8
L.S.D. (0.05)					26	1.6	28	1	6
Location Average					144	15.1	31	73	40

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinan-non-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted May 2, 2006. Harvested October 23-24, 2006.

Table 17. Two-year average corn yields at the Northern Piedmont AREC at Orange, Va., in 2005 and 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Days to Silk	Ear Ht inches
≤107 Days Relative Maturity								
T.A. SEEDS	TA 5753	PL	CB/GY	107	141	14.2	73	36
108-111 Days Relative Maturity								
NK BRAND	N65-C5	C	CB/GU	109	131	14.9	71	32
T.A. SEEDS	TA 6993	PL	CB/GY	111	126	15.0	73	33
VIGORO	V50Y51	C	CB	110	123	15.4	72	33
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	119	15.5	73	35
DEKALB	DKC61-72(RR2)	PL	GY	111	110	15.2	71	34
DOEBLERS	648RYG	PL	CB/GY	111	107	15.1	74	34
Maturity Average					119	15.2	72	34
C.V.					12	4.4	2	6
L.S.D. (0.05)					17	0.8	2	3
112-115 Days Relative Maturity								
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	147	15.9	73	36
VIGORO	V54Y61	C	CB/GY	114	135	15.0	72	35
NK BRAND	N72-G8	C		112	120	14.6	72	38
Maturity Average					134	15.2	72	36
C.V.					7	4.7	1	5
L.S.D. (0.05)					12	0.9	1	2
≥ 116 Days Relative Maturity								
T.A. SEEDS	TA780-13	PL	CB/GY/RW	117	136	15.1	74	37
DOEBLERS	784XYG	PL	CB	117	127	15.7	73	35
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	119	16.0	75	38
DOEBLERS	761BDT	PL	CB	116	110	15.6	75	36
Maturity Average					123	15.6	74	37
C.V.					13	3.8	2	8
L.S.D. (0.05)					18	0.7	2	3
Location Average					125	15.2	73	35

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 18. Three-year average corn yields at the Northern Piedmont AREC at Orange, Va., 2004-2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Days to Silk	Ear Ht inches
108-111 Days Relative Maturity								
DOEBLERS	648RYG	PL	CB/GY	111	151	16.8	69	40
112-115 Days Relative Maturity								
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	177	18.2	70	41
≥ 116 Days Relative Maturity								
DOEBLERS	784XYG	PL	CB	117	160	18.4	69	42
Location Average					163	17.8	69	41

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinon-tolerant and includes Clearfield[®]; GU = gluphosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 19. Corn yields at Jonathon Day's Farm at Shenandoah County, Va., in 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Test Wt. lb/bu	Lodging %
≤107 Days Relative Maturity								
T.A. SEEDS	TA 5753	PL	CB/GY	107	142	19.5	54.7	39
TRISLER BY AUGUSTA	T5175CB	PL	CB	107	128	20.1	55.6	34
FARMERS BEST	FB 927RRCB	PL	CB/GY	107	111	22.3	57.1	42
Maturity Average					127	20.6	55.8	38
C.V.					25	3.9	2.4	---
L.S.D. (0.05)					69	1.5	2.6	28
108-111 Days Relative Maturity								
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	167	19.0	56.7	11
SEED CONSULTANTS	SC1124A	C		111	159	20.6	56.9	31
PIONEER BRAND	34A16	PL	CB/GU	110	159	19.8	57.4	12
MID-ATLANTIC	MA8088RR	PL	GY	108	159	19.2	55.6	12
DEKALB	DKC61-72(RR2)	PL	GY	111	149	18.9	56.2	25
SOUTHERN STATES	SS574RR2YGCB	PL	CB/GY	108	148	18.6	56.8	17
T.A. SEEDS	TA682-03	PL	CB/GY	111	144	19.9	59.0	16
MID-ATLANTIC	MA7096Bt	PL	CB	109	140	18.4	55.5	11
NK BRAND	N68-B8	C	CB/GU	110	135	18.5	54.9	4
NK BRAND	N65-C5	C	CB/GU	109	127	18.8	56.7	10
DOEBLERS	631XY	PL		110	124	19.5	57.2	22
SOUTHERN STATES	95033	PL	CB/GY	111	121	19.2	56.2	31
SEED CONSULTANTS	SC10B97	C	CB	108	115	20.1	55.3	27
DOEBLERS	648RYG	PL	CB/GY	111	111	19.2	54.2	24
Maturity Average					140	19.3	56.3	18
C.V.					18	6.6	1.7	---
L.S.D. (0.05)					36	1.9	1.4	30
112-115 Days Relative Maturity								
PIONEER BRAND	33M53	PL	GY	115	191	21.9	58.1	21
DEKALB	DKC63-39 (RR2/YGPL)	PL	CB/GY/RW	113	174	18.9	56.5	11
DOEBLERS	731XY	PL		115	173	20.6	57.8	12
CROPLAN GENETICS	691 BT/LL	C	CB/GU	113	168	19.3	55.8	7
SEED CONSULTANTS	SC11B40	C	CB	112	168	19.8	56.9	32
BALDRIDGE	BH 568			115	158	20.2	57.9	12
MID-ATLANTIC	MA8146Bt/RR	PL	CB/GY	114	157	20.7	58.0	11
SEED CONSULTANTS	SC11B45	C	CB	114	156	21.2	55.5	25
PIONEER BRAND	33V16	PL	CB/GY	114	156	21.2	59.8	31
AUGUSTA	A-06-06	C		115	155	21.2	57.6	32
SEED CONSULTANTS	SC11B55	C	CB	115	153	19.1	55.1	9

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinon-tolerant and includes Clearfield[®]; GU = gluphosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted May 2, 2006. Harvested November 6, 2006.

Table 19. Corn yields at Jonathon Day's Farm at Shenandoah County, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Test Wt. lb/bu	Lodging %
MID-ATLANTIC	MA7150Bt/CRW/RR	PL	CB/GY/RW	115	151	20.3	55.3	39
MID-ATLANTIC	MA7126Bt	PL	CB	112	148	20.7	57.6	13
DEKALB	DKC63-74 (RR2/YGPL)	PL	CB/GY/RW	113	147	20.0	59.2	19
T.A. SEEDS	TA775-02	PL	GY	114	144	20.3	57.9	9
T.A. SEEDS	TA686-03	PL	CB/GY	113	143	19.9	56.7	25
AUGUSTA	A5337	PL		113	143	20.0	55.7	27
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	142	19.4	55.2	21
VIGORO	V52Y61	C	CB	112	139	21.4	55.1	22
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	139	22.0	56.5	43
NK BRAND	N72-G8	C		112	135	20.0	56.5	33
AUGUSTA	T-05-27CB	PL	CB	114	125	22.8	57.3	30
AUGUSTA	A-06-13	PL		114	120	19.5	55.9	31
MID-ATLANTIC	MA7156Bt	PL	CB	115	106	24.0	58.1	20
BALDRIDGE	BH 540 hp			112	84	24.2	58.5	38
Maturity Average					147	20.7	57.0	23
C.V.					19	6.5	2.2	---
L.S.D. (0.05)					41	1.9	1.8	27
≥ 116 Days Relative Maturity								
PIONEER BRAND	31P41	PL		118	166	21.0	57.4	3
DOEBLERS	784XYG	PL	CB	117	162	20.6	55.4	16
TRISLER BY AUGUSTA	T04-102CB	PL	CB	118	159	22.3	57.6	15
T.A. SEEDS	TA7911	PL	CB	117	159	20.0	58.3	6
CROPLAN GENETICS	751 TS	C	CB/GY/RW	116	158	20.8	57.0	8
SEED CONSULTANTS	SC11BR46	C	CB/GY	116	154	20.9	57.1	12
DEKALB	DKC66-23 (RR2/YGCB)	PL	CB/GY	116	152	19.1	57.8	12
SEED CONSULTANTS	SC11H76	C	CB	117	152	22.5	54.6	25
SOUTHERN STATES	777RRYGPL	PH	CB/GY/RW	116	150	20.4	56.3	33
PIONEER BRAND	31G71	PL	CB/GY/GU	118	146	22.5	57.7	36
TRISLER BY AUGUSTA	T-06-03CB	PL	CB	116	146	20.5	57.9	19
FARMERS BEST	FB 905RRCB	PL	CB/GY	116	142	24.3	56.2	17
SOUTHERN STATES	791CL	PL		116	142	23.6	56.1	29
TRISLER BY AUGUSTA	T05-23RR	PL	GY	117	140	22.5	57.3	15
T.A. SEEDS	TA780-13	PL	CB/GY/RW	117	140	21.5	55.3	34
SEED CONSULTANTS	SC11B65	C	CB	116	139	22.6	54.6	9
CROPLAN GENETICS	851 TS	C	CB/GY/RW	118	138	19.9	57.6	25
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	137	23.1	56.7	27
TRISLER BY AUGUSTA	T-06-06CB	PL	CB	116	136	20.7	55.8	19

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted May 2, 2006. Harvested November 6, 2006.

Table 19. Corn yields at Jonathon Day's Farm at Shenandoah County, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Test Wt. lb/bu	Lodging %
CROPLAN GENETICS	818 TS	C	CB/GY/RW	118	135	22.5	55.6	23
TRISLER BY AUGUSTA	T5338PLRR	PL	GY	116	133	19.7	55.5	28
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	133	22.7	52.3	31
AUGUSTA	A-04-102	PL		118	132	21.7	55.8	24
SOUTHERN STATES	SS783RR2YGCB	PL	CB/GY	116	131	20.8	57.3	21
VIGORO	V58Y41	C	CB	117	129	21.1	55.5	14
SEED CONSULTANTS	SC11BR77	C	CB/GY	117	128	21.8	57.2	31
DOEBLERS	761BDT	PL	CB	116	125	19.7	58.4	22
TRISLER BY AUGUSTA	T-04-51RRCB	PL	CB/GY	117	125	22.5	57.4	20
SEED CONSULTANTS	SC11BR96	C	CB/GY	118	122	24.6	57.3	27
TRISLER BY AUGUSTA	T-06-09RRCB	PL	CB/GY	116	122	23.1	56.4	14
TRISLER BY AUGUSTA	T-06-14CB	PL	CB	117	113	20.8	56.1	35
TRISLER BY AUGUSTA	T-05-135RR	PL	GY	117	113	19.7	55.8	38
Maturity Average					139	21.5	56.5	22
C.V.					13	7.2	1.8	---
L.S.D. (0.05)					27	2.2	1.5	32
Location Average					142	20.8	56.6	22

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted May 2, 2006. Harvested November 6, 2006.

Table 20. Two-year average corn yields at Shenandoah Valley, Va., in 2005 and 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Test Wt. lb/bu
≤107 Days Relative Maturity							
T.A. SEEDS	TA 5753	PL	CB/GY	107	135	19.1	57.0
108-111 Days Relative Maturity							
DEKALB	DKC61-45 (RR2/YGCB)	PL	CB/GY	111	151	19.1	58.5
DEKALB	DKC61-72(RR2)	PL	GY	111	144	18.9	58.0
NK BRAND	N65-C5	C	CB/GU	109	130	19.0	58.3
DOEBLERS	648RYG	PL	CB/GY	111	115	19.1	57.1
Maturity Average					135	19.0	58.0
C.V.					14	4.6	1.8
L.S.D. (0.05)					22	1.0	1.2
112-115 Days Relative Maturity							
SEED CONSULTANTS	SC11B40	C	CB	112	153	20.2	58.9
SEED CONSULTANTS	SC11B45	C	CB	114	140	20.5	57.5
SEED CONSULTANTS	SC11B55	C	CB	115	139	19.2	57.4
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	135	19.2	57.3
NK BRAND	N72-G8	C		112	131	19.3	57.3
Maturity Average					140	19.7	57.7
C.V.					17	3.4	1.8
L.S.D. (0.05)					29	0.8	1.2
≥ 116 Days Relative Maturity							
DOEBLERS	784XYG	PL	CB	117	130	20.5	57.7
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	129	21.9	56.3
DOEBLERS	761BDT	PL	CB	116	127	20.4	60.1
TRISLER BY AUGUSTA	T05-23RR	PL	GY	117	123	22.0	59.4
VIGORO	V58Y41	C	CB	117	122	20.6	57.3
T.A. SEEDS	TA780-13	PL	CB/GY/RW	117	122	20.5	57.8
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	119	22.8	59.1
Maturity Average					125	21.2	58.2
C.V.					14	5.0	1.5
L.S.D. (0.05)					20	1.1	0.9
Location Average					132	20.1	57.9

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinan-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 21. Three-year average corn yields at Shenandoah Valley, Va., 2004-2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	135	18.2	56.8
112-115 Days Relative Maturity							
SEED CONSULTANTS	SC11B45	C	CB	114	169	19.6	56.8
SEED CONSULTANTS	SC11B55	C	CB	115	164	18.9	57.1
				Maturity Average	167	19.3	57.0
				C.V.	12	3.1	1.0
				L.S.D. (0.05)	19	0.6	0.5
≥ 116 Days Relative Maturity							
VIGORO	V58Y41	C	CB	117	164	20.1	56.8
DOEBLERS	784XYG	PL	CB	117	163	20.1	56.9
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	158	22.2	58.4
				Maturity Average	162	20.8	57.4
				C.V.	11	3.8	1.4
				L.S.D. (0.05)	15	0.7	0.7
				Location Average	159	19.9	57.1

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 22. Corn yields at Kentland Farm at Blacksburg, Va., in 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
≤107 Days Relative Maturity							
FARMERS BEST	FB 927RRCB	PL	CB/GY	107	169	26.3	57.2
TRISLER BY AUGUSTA	T5234CBCRW	PL	CB/RW	107	162	25.3	57.3
TRISLER BY AUGUSTA	T5175CB	PL	CB	107	148	24.2	55.0
TRISLER BY AUGUSTA	T5247CB	PL	CB	107	137	24.1	59.1
Maturity Average					154	25.0	57.2
C.V.					7	2.4	1.7
L.S.D. (0.05)					19	1.1	1.8
108-111 Days Relative Maturity							
MID-ATLANTIC	MA8088RR	PL	GY	108	187	25.1	55.6
PIONEER BRAND	34A16	PL	CB/GU	110	166	23.8	56.3
NK BRAND	N68-B8	C	CB/GU	110	166	23.4	55.5
SOUTHERN STATES	95033	PL	CB/GY	111	166	23.8	56.0
T.A. SEEDS	TA682-03	PL	CB/GY	111	164	23.8	57.9
DOEBLERS	648RYG	PL	CB/GY	111	164	23.1	55.7
DOEBLERS	631XY	PL		110	163	22.6	58.4
NK BRAND	N65-C5	C	CB/GU	109	161	21.3	56.6
SOUTHERN STATES	SS574RR2YGCB	PL	CB/GY	108	158	22.1	57.2
Maturity Average					166	23.2	56.6
C.V.					8	4.0	1.2
L.S.D. (0.05)					20	1.4	1.1
112-115 Days Relative Maturity							
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	184	26.5	54.5
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	182	26.4	54.0
AUGUSTA	A5337	PL		113	176	25.7	54.9
DOEBLERS	731XY	PL		115	174	26.5	56.6
AUGUSTA	A-06-13	PL		114	174	26.2	55.4
VIGORO	V52Y61	C	CB	112	171	24.5	55.5
PIONEER BRAND	33V16	PL	CB/GY	114	170	25.6	60.0
SEED CONSULTANTS	SC11B55	C	CB	115	169	26.1	54.3
CROPLAN GENETICS	691 BT/LL	C	CB/GU	113	168	25.0	55.1
MID-ATLANTIC	MA8146Bt/RR	PL	CB/GY	114	168	27.3	55.5
AUGUSTA	T-05-27CB	PL	CB	114	167	27.9	55.5
MID-ATLANTIC	MA7126Bt	PL	CB	112	163	23.7	57.4
T.A. SEEDS	TA686-03	PL	CB/GY	113	157	24.2	55.7
NK BRAND	N72-G8	C		112	156	24.6	55.0
BALDRIDGE	BH 568			115	155	25.5	57.5
MID-ATLANTIC	MA7156Bt	PL	CB	115	154	28.5	53.8
T.A. SEEDS	TA775-02	PL	GY	114	153	25.5	58.8
BALDRIDGE	BH 540 hp			112	95	26.7	57.4

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinonon-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture. There was no lodging at this location.

Planted May 4, 2006. Harvested November 1, 2006.

Table 22. Corn yields at Kentland Farm at Blacksburg, Va., in 2006 - Virginia Tech Trials. (cont.)

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
			Maturity Average		163	25.9	55.9
			C.V.		9	2.4	1.2
			L.S.D. (0.05)		26	1.1	1.1
≥ 116 Days Relative Maturity							
CROPLAN GENETICS	818 TS	C	CB/GY/RW	118	187	28.3	54.0
TRISLER BY AUGUSTA	T-06-06CB	PL	CB	116	186	28.7	53.8
T.A. SEEDS	TA780-13	PL	CB/GY/RW	117	184	26.9	53.8
TRISLER BY AUGUSTA	T5338PLRR	PL	GY	116	184	26.4	53.5
CROPLAN GENETICS	751 TS	C	CB/GY/RW	116	183	26.8	55.1
SOUTHERN STATES	842RR2YG	PH	CB/GY	120	182	28.2	52.1
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	181	28.1	56.1
SEED CONSULTANTS	SC11H76	C	CB	117	180	28.8	51.6
TRISLER BY AUGUSTA	T-05-135RR	PL	GY	117	180	26.5	53.6
TRISLER BY AUGUSTA	T-06-09RRCB	PL	CB/GY	116	179	28.7	54.7
TRISLER BY AUGUSTA	T-04-51RRCB	PL	CB/GY	117	179	28.4	55.3
SOUTHERN STATES	777RRYGPL	PH	CB/GY/RW	116	179	26.7	55.1
CROPLAN GENETICS	851 TS	C	CB/GY/RW	118	178	26.4	53.2
TRISLER BY AUGUSTA	T04-102CB	PL	CB	118	178	27.8	56.1
PIONEER BRAND	31G71	PL	CB/GY/GU	118	178	27.3	55.4
TRISLER BY AUGUSTA	T-06-14CB	PL	CB	117	176	26.6	56.0
AUGUSTA	A-04-102	PL		118	176	28.1	54.5
VIGORO	V58Y41	C	CB	117	174	27.0	53.6
PIONEER BRAND	31P41	PL		118	174	28.1	55.1
SOUTHERN STATES	791CL	PL		116	174	27.7	54.4
TRISLER BY AUGUSTA	T05-23RR	PL	GY	117	172	29.0	55.4
SEED CONSULTANTS	SC11BR77	C	CB/GY	117	166	27.7	56.0
DOEBLERS	784XYG	PL	CB	117	165	26.2	54.6
SOUTHERN STATES	SS783RR2YGCB	PL	CB/GY	116	164	27.2	55.9
FARMERS BEST	FB 905RRCB	PL	CB/GY	116	163	27.7	53.7
TRISLER BY AUGUSTA	T-06-03CB	PL	CB	116	162	24.6	56.7
T.A. SEEDS	TA7911	PL	CB	117	160	24.7	56.7
DOEBLERS	761BDT	PL	CB	116	145	25.0	58.5
			Maturity Average		175	27.3	54.8
			C.V.		7	2.3	1.2
			L.S.D. (0.05)		21	1.0	1.0
			Location Average		168	26.1	55.6

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinan-non-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture. There was no lodging at this location.

Planted May 4, 2006. Harvested November 1, 2006.

Table 23. Two-year average corn yields at Kentland Farm at Blacksburg, Va., in 2005 and 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	158	24.2	55.2
NK BRAND	N65-C5	C	CB/GU	109	158	22.9	56.0
				Maturity Average	158	23.6	55.6
				C.V.	7	3.7	1.1
				L.S.D. (0.05)	14	1.1	0.8
112-115 Days Relative Maturity							
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	175	27.4	54.0
FARMERS BEST	FB 904RRCBYG	PL	CB/GY	112	174	26.8	53.5
NK BRAND	N72-G8	C		112	154	24.7	54.9
				Maturity Average	168	26.3	54.1
				C.V.	10	2.6	0.8
				L.S.D. (0.05)	26	1.1	0.7
≥ 116 Days Relative Maturity							
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	179	29.3	55.0
TRISLER BY AUGUSTA	T05-23RR	PL	GY	117	169	29.8	54.0
TRISLER BY AUGUSTA	T04-102CB	PL	CB	118	159	25.8	56.6
DOEBLERS	761BDT	PL	CB	116	158	26.3	56.9
DOEBLERS	784XYG	PL	CB	117	155	28.0	53.3
				Maturity Average	164	27.8	55.2
				C.V.	9	3.2	2.1
				L.S.D. (0.05)	18	1.1	1.5
				Location Average	164	26.5	54.9

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = gluphosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 24. Three-year average corn yields at Kentland Farm at Blacksburg, Va., 2004-2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	171	23.2	54.9
112-115 Days Relative Maturity							
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	194	25.8	53.4
≥ 116 Days Relative Maturity							
DOEBLERS	784XYG	PL	CB	117	171	26.5	52.7
Location Average					179	25.2	53.7

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinon-tolerant and includes Clearfield[®]; GU = glufosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 25. Corn yields at Johnny Robinson's farm at Washington County, Va., in 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu	Lodging %
≤107 Days Relative Maturity								
TRISLER BY AUGUSTA	T5175CB	PL	CB	107	160	22.5	55.5	1
108-111 Days Relative Maturity								
DOEBLERS	631XY	PL		110	163	22.8	58.6	3
DOEBLERS	648RYG	PL	CB/GY	111	123	23.2	56.0	1
			Maturity Average		143	23.0	57.3	2
			C.V.		5	3.6	1.2	---
			L.S.D. (0.05)		67	2.7	2.3	5
112-115 Days Relative Maturity								
TRISLER BY AUGUSTA	T5337RRCB	PL	CB/GY	113	176	23.7	54.5	5
DOEBLERS	731XY	PL		115	175	24.0	58.5	2
MID-ATLANTIC	MA7126Bt	PL	CB	112	170	22.6	56.8	1
PIONEER BRAND	33V16	PL	CB/GY	114	161	24.4	59.3	3
AUGUSTA	A-06-13	PL		114	159	23.0	55.3	4
AUGUSTA	T-05-27CB	PL	CB	114	154	24.4	55.9	5
			Maturity Average		166	23.7	56.7	3
			C.V.		13	2.5	1.2	---
			L.S.D. (0.05)		33	1.0	1.1	4
≥ 116 Days Relative Maturity								
TRISLER BY AUGUSTA	T-06-06CB	PL	CB	116	216	26.7	55.2	3
TRISLER BY AUGUSTA	T-06-09RRCB	PL	CB/GY	116	215	25.7	57.2	1
PIONEER BRAND	31G71	PL	CB/GY/GU	118	206	24.2	56.4	3
TRISLER BY AUGUSTA	T-06-14CB	PL	CB	117	204	24.2	56.7	2
TRISLER BY AUGUSTA	T05-23RR	PL	GY	117	198	25.1	56.2	4
TRISLER BY AUGUSTA	T5338PLRR	PL	CB/GY/RW	116	198	23.4	54.5	1
DOEBLERS	761BDT	PL	CB	116	180	23.3	56.7	6
TRISLER BY AUGUSTA	T04-104RR	PL	GY	116	178	25.1	56.7	0
DOEBLERS	784XYG	PL	CB	117	173	23.5	55.0	4
TRISLER BY AUGUSTA	T-06-03CB	PL	CB	116	170	22.6	56.2	1
TRISLER BY AUGUSTA	T-04-51RRCB	PL	CB/GY	117	153	25.0	56.6	1
			Maturity Average		190	24.4	56.1	2
			C.V.		10	2.0	1.4	---
			L.S.D. (0.05)		30	0.8	1.3	4
			Location Average		177	24.0	56.4	3

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinon-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Planted May 17, 2006. Harvested November 20, 2006.

Table 26. Two-year average corn yields at Johnny Robinson's farm at Washington County, Va., in 2005 and 2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist %	Test Wt. lb/bu
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	124	23.0	53.9
≥ 116 Days Relative Maturity							
DOEBLERS	761BDT	PL	CB	116	156	23.6	53.5
DOEBLERS	784XYG	PL	CB	117	142	23.5	51.8
Maturity Average					149	23.6	52.7
C.V.					11	2.8	2.3
L.S.D. (0.05)					22	0.9	1.6
Location Average					141	23.4	53.1

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250[®], PH = Poncho 1250[®], C = Cruiser[®].

² Genetic Trait (GT), where CB = Bt corn borer, Herculex[™] corn borer, or YieldGard[®] corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup[®] Ready, Roundup[®] Ready Corn 2, and Agrisure[®]; IT = imidazolinon-tolerant and includes Clearfield[®]; GU = glufosinate-ammonium-tolerant and includes Liberty Link[®].

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

Table 27. Three-year average corn yields at Washington County, Va., 2004-2006 - Virginia Tech Trials.

Brand/Company	Hybrid	IST ¹	GT ²	DTM per Co. ³	Yield ⁴ bu/A	Moist%	Test Wt. lb/bu
108-111 Days Relative Maturity							
DOEBLERS	648RYG	PL	CB/GY	111	145	20.7	54.0
≥ 116 Days Relative Maturity							
DOEBLERS	784XYG	PL	CB	117	144	22.0	52.1
Location Average					145	21.4	53.1

¹ Insecticidal Seed Treatment (IST) PL = Poncho 250®, PH = Poncho 1250®, C = Cruiser®.

² Genetic Trait (GT), where CB = Bt corn borer, Herculex™ corn borer, or YieldGard® corn borer; RW = Bt root worm; GY = glyphosate-tolerant and includes Roundup® Ready, Roundup® Ready Corn 2, and Agrisure®; IT = imidazolinan-non-tolerant and includes Clearfield®; GU = glufosinate-ammonium-tolerant and includes Liberty Link®.

³ Days to maturity provided by company; differences in maturity rating methods may exist among companies.

⁴ Reported at 15.5% moisture.

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